

ANNUAL REPORT  
OF  
**THE MINES BRANCH**  
OF THE  
PROVINCE OF ALBERTA  
**1930**



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Edmonton, February 25th, 1931.

TO THE HON. J. E. BROWNLEE,

*President of the Executive Council.*

SIR:

I herewith submit the report of The Mines Branch for the year ending December 31, 1930.

Respectfully submitted,

A. A. MILLAR,

*Chief Inspector of Mines.*



## ANNUAL REPORT OF THE MINES BRANCH FOR THE YEAR ENDING DECEMBER 31, 1930.

(ANDREW A. MILLAR, *Chief Inspector.*)

There were produced during the year a total of 5,755,911 tons of coal with a value of \$19,379,000.00. Of this output 1,234,382 tons were sold for consumption in the Province of Alberta, 2,020,280 tons in other Provinces in Canada, 44,291 tons for consumption in the United States, 2,120,237 tons were sold to railroad companies, 22,272 tons were used in making briquettes, 220,581 tons were used under colliery boilers, 7,820 tons were used by colliery locomotives, 40,363 tons were put to stock and 99,232 tons were put on the waste heap. In addition to the coal mined, there were 67,517 tons of shale mined, from which 22,007,045 bricks were manufactured.

It will be noted that there is a large decrease in production during 1930, this being the smallest output since the year 1924. This is no doubt accounted for by the extremely mild winter weather.

There were in operation during the year 5 open pits producing shale for brick-making; also 301 coal-mines, of the latter 25 were opened, 28 re-opened and 21 abandoned. In addition to the mines abandoned, there were 28 closed temporarily, leaving 251 in operation at December 31, 1930.

There were no changes in the staff of Inspectors during the year.

Examinations for certificates of competency as coal-miners have been conducted by the Inspectors at various centres throughout the Province, there having been 800 certificates issued during the year, making a total of 12,119 certificates issued to December 31, 1930.

Samples of mine air have been taken at intervals by the inspectors from mines in the bituminous areas and forwarded to the Chemistry Branch of the Department of Mines, Ottawa, for analysis.

In addition to this, tests have been made with the Burrell Gas detector and also with the "McLuckie Gas Detector," a new detector purchased from England, at various mines throughout the Province with very satisfactory results.

In all bituminous mines that are dry and dusty, rock-dusting with crushed limestone has been continuously carried on. Samples of rock-dust used have been collected and forwarded to the Provincial Analyst and tested for silica content.

Several samples of coal have been collected and forwarded to the Scientific and Industrial Research Council at the University of Alberta for analysis.

All serious and fatal accidents have been investigated and all inquests attended, in addition to the regular inspections at the various mines.

It is gratifying to report that the number of fatal accidents that occurred during the year, eleven in number, is the lowest recorded in the Province since 1911, being one fatal accident per 523,264 tons of coal mined and the highest tonnage per fatal accident recorded for Alberta.

The workmen and managements of the mines in the Province are to be congratulated on the reduction of the number of fatal accidents thus attained.

There were 24 prosecutions instituted for contraventions of The Mines Act and 12 for contraventions of The Coal-mines Regulation Act, made up as follows: 15 workmen, 10 officials, and 11 operators. Convictions were obtained in all cases.

The use of purchased electric power by the mines in the Province is still increasing, there having been 25,003,606 k.w. hours purchased as against 23,510,529 k.w. hours in 1929.

The distribution of the purchased power was as follows: Camrose area, 3,850 k.w. hours, purchased from the town of Camrose; Crow's Nest area, 15,388,929 k.w. hours, purchased from the East Kootenay Power Co., Ltd., which power is produced and furnished from its hydro-electric plant at Bull River, B.C.

In the Drumheller area there were 7,870,908 k.w. hours used, this power being purchased from the Union Power Co., Ltd., and supplied from its plant located in Drumheller, which plant also supplied 192,470 k.w. hours to mines in the Carbon area, and 7,000 k.w. hours to the mines in the Big Valley area. In the Edmonton area there were used 857,535 k.w. hours, purchased from the City of Edmonton.

There were supplied by the City of Lethbridge plant, 597,464 k.w. hours to mines in the Lethbridge area and 7,800 k.w. hours to mines in the Taber area. In the Redcliff area 66,000 k.w. hours were purchased from the City of Medicine Hat.

In the Gleichen area 11,550 k.w. hours were purchased from the Calgary Power Co., Ltd.

There were 11,199 persons employed during the month of December, 1930, which was a decrease of 321 from the number employed during the same month of 1929.

At the last session of the Legislature a new Act was passed for the control of coal-mining operations, under the title of The Coal-mines Regulation Act. This Act came into force on July 1st, 1930, and so far its operation has been satisfactory.

# ANNUAL PRODUCTION OF COAL FROM MINES IN THE PROVINCE OF ALBERTA

The following table is taken from a report prepared by the Dominion Bureau of Statistics and published in "Coal Statistics for Canada" for the year 1929.

Calendar Year	Short tons	Value
1886 .....	43,220	\$ 81,112
1887 .....	74,152	157,577
1888 .....	115,124	183,354
1889 .....	97,364	179,640
1890 .....	128,753	198,298
1891 .....	174,131	437,243
1892 .....	178,970	460,605
1893 .....	230,070	586,260
1894 .....	184,940	473,827
1895 .....	169,885	382,526
1896 .....	209,162	581,832
1897 .....	242,163	630,408
1898 .....	315,088	787,720
1899 .....	309,600	774,000
1900 .....	311,450	778,625
1901 .....	340,275	850,687
1902 .....	403,819	960,601
1903 .....	495,893	1,117,541
1904 .....	661,732	1,404,524
1905 .....	931,917	1,993,915
1906 .....	1,246,360	2,614,762
1907 .....	1,591,579	3,836,286
1908 .....	1,685,661	4,127,311
1909 .....	1,994,741	4,838,109
1910 .....	2,894,469	7,065,736
1911 .....	1,511,036	3,979,264
1912 .....	3,240,577	8,113,525
1913 .....	4,014,755	10,418,941
1914 .....	3,683,015	9,350,392
1915 .....	3,360,818	8,283,079
1916 .....	4,559,054	11,386,577
1917 .....	4,736,368	14,153,685
1918 .....	5,972,816	20,537,287
1919 .....	4,933,660	18,205,205
1920 .....	6,907,765	30,186,933
1921 .....	5,909,217	27,246,514
1922 .....	5,990,911	24,351,913
1923 .....	6,854,397	28,018,303
1924 .....	5,189,729	18,884,318
1925 .....	5,869,031	20,021,484
1926 .....	6,503,705	20,886,103
1927 .....	6,934,162	21,982,058
1928 .....	7,336,330	23,532,414
1929 .....	7,150,693	22,928,182
Total.....	115,687,557	\$377,968,676

NOTE: Production quantities and values prior to 1919 refer to sales and colliery consumption. For 1919 to 1929, the mine output figures are given.

## THE MINES BRANCH

ANNUAL CONSUMPTION OF COAL IN THE DOMINION OF CANADA, 1903 TO 1929.  
The following table is taken from the report issued by the Dominion Bureau of Statistics for the year 1929 :

Calendar Year	Canadian*			Imported Coal Entered for Consumption						Total	Per Capita
	Short tons	%		From U.S.A.		From Great Britain		Total			
				Short tons	%	Short tons	%	Short tons	%		
1903	6,005,735	52.2						5,491,870	47.8	11,497,605	2,005
1904	6,697,183	49.2						6,909,661	50.8	13,606,834	2,346
1905	7,032,661	48.9						7,343,880	51.1	14,376,641	2,362
1906	7,927,560	61.7						7,398,906	48.3	16,326,466	2,425
1907	8,617,352	46.0						10,549,503	55.0	19,166,855	2,947
1908	9,156,478	47.3						10,195,424	52.7	19,351,902	2,820
1909	8,913,376	47.9						9,711,826	52.1	18,625,202	2,682
1910	10,532,103	50.2						10,438,123	49.8	20,970,226	2,960
1911	12,822,749	40.5						14,434,949	69.5	24,247,698	3,665
1912	12,855,656	46.0						14,649,104	64.0	26,934,800	3,667
1913	13,490,188	42.6						18,132,387	57.4	31,582,645	4,196
1914	12,214,403	45.5						14,667,920	54.5	26,352,323	3,490
1915	11,500,480	48.1						12,406,212	61.9	23,906,692	3,041
1916	12,348,036	41.3						17,517,820	58.7	29,865,866	3,717
1917	12,313,503	37.2						20,810,132	62.8	33,123,735	4,019
1918	13,160,731	37.8						21,611,101	62.2	34,771,832	4,175
1919	11,611,168	40.3		17,292,913	69.8	344		17,236,269†	59.7	28,847,437	3,402
1920	14,025,566	42.9		18,752,918	57.2	.....		18,668,741†	67.1	32,594,307	3,786
1921	12,715,734	41.1		18,300,081	59.0	1,591		18,268,387†	68.9	30,974,121	3,524
1922	13,044,352	50.2		12,256,556	47.0	765,980	3.0	12,962,189†	49.8	26,006,541	2,909
1923	15,070,962	41.8		20,417,239	56.7	572,570	1.5	20,967,971†	58.2	36,038,933	3,968
1924	12,529,358	42.8		16,405,344	56.1	317,112	1.1	16,714,143†	57.2	29,243,501	3,170
1925	12,125,290	42.6		15,744,957	55.3	604,117	2.1	16,331,971†	57.4	28,457,261	3,039
1926	15,449,831	48.3		16,204,405	50.6	287,299	0.9	16,565,553†	51.7	32,015,386	3,329
1927	16,313,531	46.6		17,769,963	50.8	907,220	2.6	18,630,833†	63.4	34,994,363	3,676
1928	16,700,352	49.3		16,515,149	48.7	682,755	2.0	17,200,043†	50.7	33,900,396	3,510
1929	16,653,585	47.8		17,243,047	49.7	843,502	2.5	18,186,727†	52.2	34,840,312	3,556

\*The sum of Canadian coal mine sales, colliery consumption, coal supplied to employees and coal used in making coke, etc., less the tonnage of coal exported.  
†includes small tonnages from countries other than Great Britain and the United States.



The following table shows the quantity of coke imported into Canada during the years 1928, 1929 and 1930 through ports in the Provinces, compiled from information received from the Dominion Bureau of Statistics:

Province	1928	1929	1930
Prince Edward Island .....	24	18	28
Nova Scotia .....	12,136	22,884	3,777
New Brunswick .....	1,439	1,760	1,430
Quebec .....	115,017	54,760	44,486
*Central Ontario .....	820,983	1,045,554	887,871
*Head of Lakes .....	93,081	78,207	105,944
Manitoba .....	15,359	21,012	14,235
Saskatchewan .....	20	45	68
Alberta .....	....	20	....
Birtish Columbia .....	1,970	2,593	3,201
Total.....	1,060,029	1,226,853	1,061,040

\*Correction of figures previously given.

#### Imports of Coke into Canada, by Countries, 1928-1930.

Countries	1928	1929	1930
United States .....	1,039,131	1,195,068	1,048,209
Great Britain .....	12,224	28,054	12,732
Germany .....	7,655	3,731	99
Netherlands .....	1,019	.....	.....
Total.....	1,060,029	1,226,853	1,061,040

Quantity of coal in tons, entered for consumption for each year since 1919 through ports in the Provinces of Manitoba, Saskatchewan, Ontario, British Columbia and Alberta.

## BITUMINOUS COAL

Year	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total Canada
1919	7,641,682	483,991	59,253	1,063,793	9,248,719	62,746	1,406	1,131	6,700	12,010,490
1920	10,261,237	571,879	111,957	1,391,709	12,336,903	48,547	535	607	13,128	15,902,632
1921	8,605,872	659,763	127,956	1,316,155	10,709,746	76,833	2,127	1,820	17,081	13,536,250
1922	7,424,171	445,019	68,082	1,517,250	9,465,522	74,348	1,484	1,147	13,966	11,563,467
1923	11,621,859	619,037	95,439	1,731,667	14,068,002	112,134	1,607	1,110	17,919	17,517,108
1924	8,763,676	403,388	70,259	1,500,525	10,737,848	143,507	2,422	1,209	25,049	12,619,082
1925	9,100,462	286,984	81,173	497,264	9,884,710	147,758	1,732	1,175	40,286	13,015,323
1926	10,531,095	199,908	83,182	965,105	11,695,108	149,374	1,887	1,324	32,992	13,802,242
1927	11,572,678	221,594	90,864	1,273,591	13,158,927	142,860	2,141	1,351	22,648a	15,178,640b
1928	10,539,408	194,718	103,594	1,481,228	12,318,948	97,002	2,536	1,360	18,682a	13,966,133b
1929	11,232,027	143,889	100,141	1,591,556	13,067,713	38,301	2,477	1,327	18,526d	14,585,275e
1930	10,421,748	165,499	70,403	1,297,339	11,955,589	24,398	1,816	1,351	8,886f	13,345,308g

## ANTHRACITE COAL

1919	2,977,913	119,234	559	346,442	3,444,148	12,906	.....	66	136	4,972,233
1920	2,943,134	69,206	2,648	226,476	3,241,464	17,509	206	517	75	4,912,984
1921	2,809,189	62,782	1,138	198,108	3,070,217	33,473	254	66	251	4,567,370
1922	1,586,924	21,507	12	38,018	1,644,461	14,715	231	.....	1,261	2,693,957
1923	3,061,779	28,229	429	54,329	3,144,766	55,856	2,291	.....	174	5,167,881
1924	2,595,568	4,775	237	84,513	2,689,093	34,222	1,720	.....	687	4,183,594
1925	2,203,281	87	170	50,731	2,254,049	34,396	1,702	30	246	3,798,744
1926	2,458,674	.....	56	60,810	2,519,494	17,990	464	.....	5,202	4,242,932
1927	2,123,515	.....	51	79,293	2,202,849	15,885	484	.....	8,812	4,063,619(x)
1928	2,179,022	.....	42	57,494	2,236,558	1,130	579	.....	2,241	3,737,333(c)
1929	2,246,063	352	303	52,369	2,299,087	9,180	365	.....	597	4,019,917h
1930	2,080,457	.....	224	45,241	2,125,922	8,323	367	.....	1,123	4,256,090j

NOTE: Besides the anthracite and bituminous coal imported, there were 2,331 tons of lignite coal imported into British Columbia from the United States during 1923.

During 1924 there were 139 tons of lignite coal imported from the United States into Saskatchewan and 25,763 tons imported from the United States into British Columbia, making a total of 25,902 tons of lignite coal imported into Canada from the United States.

During 1926 British Columbia imported 10,965 tons of lignite coal from the United States.

- (a) Includes 2 tons imported in March, 1 ton in May, 1 ton in June and 4 tons in August into Yukon Territory during 1927, and 2 tons in March, 1 ton in May, 1 ton in June, 30 tons in July and 6 tons in October during 1928.
- (b) Includes 140,309 tons bituminous coal from Great Britain, also 323 tons of bituminous coal from Japan during 1927, and 144,145 tons of bituminous coal from Great Britain and 2 tons of bituminous coal from Newfoundland during 1928.
- (x) Includes 788,235 tons of anthracite coal imported from Great Britain, also 5,155 tons of anthracite coal from the Netherlands, 4,818 tons of anthracite coal from Germany during 1927.
- (c) Includes 40 tons bituminous coal imported into the Yukon Territory during 1928.  
During 1927 British Columbia also imported 10,829 tons of lignite coal from the United States.
- (c) Includes 526,467 tons anthracite coal imported from Great Britain, 1,102 tons from the Netherlands, 328 tons from British South Africa, 1 ton from Belgium and 6,204 tons from Russia.  
During 1928 there were 60 tons of lignite coal imported from the United States into Saskatchewan and 10,754 tons were imported from the United States into British Columbia, making a total of 10,814 tons of lignite coal imported into Canada from the United States.
- (d) Includes 11 tons imported in February, 50 tons in July and 6 tons in August into the Yukon Territory.
- (e) Includes 115,368 tons of bituminous coal from Great Britain, also 76 tons of bituminous coal from Newfoundland.  
During 1929 there were 1,896 tons of lignite coal imported from the United States into Manitoba, 41 tons were imported from the United States into Saskatchewan( also 12,171 tons from the United States into British Columbia, making a total of 14,108 tons of lignite coal imported into Canada from the United States.
- (f) Includes imports into the Yukon Territory of 2 tons in April and 5 tons in June.
- (g) Consists of 13,199,076 tons imported from the United States, 146,199 tons imported from Great Britain, and 33 tons imported from Newfoundland.
- (h) Includes 729,458 tons of anthracite imported from Great Britain, 117,404 tons from Russia, and 112 tons from Japan.
- (j) Consists of 2,955,954 tons imported from the United States, 996,127 tons imported from Great Britain, 11,480 tons imported from Germany, 291,407 tons imported from Russia, and 1,122 tons imported from French East Indies.

Tons of Coal entered for consumption for each month during the year 1930, through ports in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia and Ontario, compiled from information received from the Dominion Bureau of Statistics:

## BITUMINOUS COAL

Month	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total Man., Sask., Alta., B.C., and Yukon	Total Canada
January	777,634	71	7,587	.....	785,292	5,513	.....	74	2,284	7,871	850,911
February	622,174	.....	5,094	.....	627,268	2,424	.....	137	958	2,629	676,823
March	732,740	.....	7,091	.....	739,831	5,100	245	219	1,857	7,421	757,604
April	497,528	.....	5,922	154	503,614	1,118	256	176	626	2,206	535,004
May	809,438	43	3,404	.....	812,885	2,331	310	178	375	3,097	1,080,138
June	1,033,356	.....	5,865	204,827	1,294,048	1,830	230	138	1,075	3,273	1,481,138
July	1,032,159	.....	6,250	152,635	1,191,046	1,392	322	141	99	1,964	1,469,324
August	990,628	50,062	3,396	205,279	1,269,398	1,865	165	147	276	1,453	1,432,587
September	1,000,329	70,095	3,189	303,765	1,378,396	1,177	103	37	108	1,425	1,534,273
October	1,097,251	21,662	7,356	142,746	1,268,315	1,958	85	64	936	2,043	1,466,372
November	899,255	1,904	5,270	82,232	986,361	1,255	.....	75	74	1,404	1,122,319
December	829,256	.....	4,579	33,235	867,070	1,035	.....	35	205	1,275	918,327
Total	10,421,748	165,499	70,403	1,297,939	11,955,589	24,898	1,816	1,351	8,836(a)	36,951	13,345,308(b)

(a) Includes imports into the Yukon Territory of 2 tons in April and 5 tons in June.

(b) Consists of 13,199,076 tons imported from the United States, 146,199 tons imported from Great Britain, and 33 tons imported from Newfoundland.

## ANTHRACITE COAL

Month	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total Man., Sask., Alta., B.C., and Yukon	Total Canada
January	257,070	.....	40	.....	257,110	1,381	.....	.....	.....	1,381	347,329
February	241,299	.....	38	.....	241,337	1,111	47	.....	.....	1,158	363,907
March	157,600	.....	.....	.....	157,600	437	.....	.....	.....	437	266,970
April	182,001	.....	.....	.....	182,001	310	.....	.....	.....	310	125,075
May	17,515	.....	.....	13,464	30,979	415	.....	.....	2	417	312,564
June	123,507	.....	.....	10,423	133,930	409	.....	.....	.....	409	406,065
July	119,769	.....	.....	.....	119,769	448	15	.....	.....	493	310,970
August	126,269	.....	.....	5,033	131,302	100	.....	.....	.....	100	367,753
September	222,788	.....	.....	9,477	232,265	1,077	.....	.....	1	1,078	511,565
October	227,496	.....	22	.....	227,518	1,007	240	.....	.....	1,247	496,535
November	215,323	.....	103	4,013	219,439	925	35	.....	.....	960	445,555
December	183,830	.....	26	2,831	186,687	703	.....	.....	1,120	1,823	301,802
Total	2,080,457	.....	224	45,241	2,125,922	8,323	367	.....	1,123	9,813	4,256,090(c)

(c) Consists of 2,955,954 tons imported from the United States, 996,127 tons imported from Great Britain, 11,480 tons imported from Germany, 291,407 tons imported from Russia, and 1,122 tons imported from French East Indies.



## MINERAL PRODUCTION OF ALBERTA, 1929 AND 1930

Prepared in the Mining, Metallurgical and Chemical Branch, Ottawa, Canada.

	1929		*1930	
	Quantity	Value	Quantity	Value
Gold, fine ounces .....	5	\$ 103	.....	.....
Silver, fine ounces .....	.....	.....	.....	.....
Bituminous sands, tons..	989	3,956	1,992	7,968
Coal, tons .....	7,150,693	22,928,182	5,754,752	18,513,620
Natural gas, M. cu. ft...	19,112,931	4,684,247	20,540,858	4,806,125
Petroleum, brls. ....	988,675	3,458,177	1,368,411	4,700,760
Salt, tons .....	.....	.....	.....	.....
Clay products and other structural materials:				
Cement, brls. ....	808,796	1,770,786	525,289	1,144,160
Clay prdoucts .....	.....	1,342,427	.....	997,686
Lime, tons .....	7,681	79,569	5,136	49,525
Sand and gravel, tons	1,721,930	447,993	1,623,214	388,417
Stone, tons .....	5,183	24,546	7,903	21,736
Total.....	.....	\$34,739,986	.....	\$30,629,997

\*Subject to revision.

Particulars with reference to the coal mining industry in the Province of Alberta during the year ending December 31, 1930:

## SUMMARY OF STATISTICS

Number of short tons of coal produced .....	5,755,911
Number of short tons of Briquettes produced .....	24,111
Number of short tons of Coke produced .....	67,517
Number of short tons of Shale produced .....	20,378,914
Number of bricks sold .....	301
Number of Coal Mines in operation during the year .....	5
Number of Shale Mines in operation during the year .....	25
Number of Shale Pits in operation during the year .....	28
Number of Mines opened during tht year .....	21
Number of Mines re-opened during the year .....	28
Number of Mines abandoned during the year .....	251
Number of Mines closed but not abandoned .....	
Number of Mines in operation at December 31, 1930 .....	
171 mines or 56.81% of the total operating produced .99% of the output.	
52 mines or 17.88% of the total operating produced 1.89% of the output.	
11 mines or 3.66% of the total operating produced 1.42% of the output.	
31 mines or 10.30% of the total operating produced 13.39% of the output.	
18 mines or 5.95% of the total operating produced 22.97% of the output.	
10 mines or 3.33% of the total operating produced 25.70% of the output.	
7 mines or 2.33% of the total operating produced 26.66% of the output.	
1 mine or .34% of the total operating produced 6.98% of the output.	
Average number of persons employed below ground .....	6,607
Average number of persons employed above ground .....	2,282
Number of separate accidents causing loss of life .....	11
Number of deaths caused by accidents above ground .....	3
Number of deaths caused by accidents below ground .....	8
Number of serious accidents above ground .....	6
Number of serious accidents below ground .....	63
Number of slight accidents above ground .....	14
Number of slight accidents below ground .....	83
Total purchased electrical power (kilowatt hours) .....	25,003,606
Number of persons prosecuted under The Mines Act .....	24
Number of persons prosecuted under The Coal Mines Regulation Act .....	12
Number of Provisional Certificates (overmen) issued in 1930..	192
Number of Certificates of Competency as Coal Miners issued in 1930 .....	800
Number of Third Class Certificates issued in 1930 .....	53
Number of Second Class Certificates issued in 1930 .....	5
Number of First Class Certificates issued in 1930 .....	4
Number of Interchange of First Class Certificates issued in 1930	1
Number of Mine Surveyors' Certificates issued in 1930.....	3
Total number of Third Class Certificates issued to December 31, 1930 .....	1,098
Total number of Second Class Certificates issued to December 31, 1930 .....	390
Total number of First Class Certificates issued to December 31, 1930 .....	228
Total number of Interchange First Class Certificates issued to December 31, 1930 .....	5
Total number of Mine Surveyors' Certificates issued to December 31, 1930 .....	183
Total number of Certificates of Competency as Coal Miners issued to December 31, 1930 .....	12,119

## THE MINES BRANCH

In the following tables the short ton of 2,000 lbs. is used in all cases:

Year	Output in tons for N.W.T. (Alta. & Sask.)	Output in tons Alberta
1901	346,649	.....
1902	510,674	.....
1903	622,939	.....
1904	782,931	.....
1905	.....	811,228
1906	.....	1,385,000
1907	.....	1,834,745
1908	.....	1,845,000
1909	.....	2,174,329
1910	.....	3,036,757
1911	.....	1,694,564
1912	.....	3,446,349
1913	.....	4,306,346
1914	.....	3,821,739
1915	.....	3,434,891
1916	.....	4,638,604
1917	.....	4,863,414
1918	.....	6,148,620
1919	.....	5,022,412
1920	.....	6,908,923
1921	.....	5,937,195
1922	.....	5,976,432
1923	.....	6,866,923
1924	.....	5,203,713
1925	.....	5,883,394
1926	.....	6,508,908
1927	.....	6,936,780
1928	.....	7,334,179
1929	.....	7,147,250
1930	.....	5,755,911

## PARTICULARS OF WORK DONE IN SHALE MINES IN THE PROVINCE DURING 1930

Output of Shale in tons, used for making bricks .....	67,517
Average number of days worked each month .....	22
Average number of men employed each month .....	126
Mine timber used .....	None
Explosives used (lbs.)—40% Dynamite .....	10,572
Pellet Powder .....	1,050
Number of shots fired—fuse .....	8,532

Bricks sold for use in:

Alberta .....	8,813,414
British Columbia .....	2,793,500
Saskatchewan .....	7,817,150
Manitoba .....	896,350
Ontario .....	58,500

**Total..... 20,378,914**



## CLASSIFICATION OF OUTPUT DURING THE YEARS 1901 TO 1930 INCLUSIVE

Year	Domestic	Domestic and Bituminous	Sub-Bituminous	Bituminous	Anthracite	Coal used in coke production	Briquettes	Coke
*1901	.....	331,907	.....	.....	14,742	.....	.....	.....
*1902	.....	494,087	.....	.....	16,587	.....	.....	.....
*1903	.....	617,754	.....	.....	5,185	.....	.....	.....
*1904	.....	759,568	.....	.....	23,363	.....	.....	.....
*1905	.....	972,686	.....	.....	43,653	.....	.....	46,640
1906	602,780	.....	.....	546,623	235,597	71,292	.....	69,844
1907	639,335	.....	.....	939,295	256,115	103,930	49,585	73,782
1908	584,334	.....	.....	1,001,571	249,095	112,887	86,261	75,657
1909	763,673	.....	.....	1,197,399	213,257	138,397	89,785	87,812
1910	878,011	.....	.....	1,896,961	261,785	148,104	103,996	121,578
1911	964,700	.....	.....	649,745	80,119	196,249	48,200	35,984
1912	1,341,389	.....	.....	1,926,371	178,589	61,591	90,000	105,684
1913	1,763,225	.....	.....	2,374,401	168,720	170,818	130,861	65,167
1914	1,697,401	.....	.....	1,953,367	170,971	104,012	109,082	29,058
1915	1,682,922	.....	.....	1,626,237	125,732	44,249	83,180	23,826
1916	2,172,801	.....	.....	2,335,259	140,544	38,878	107,959	41,950
1917	2,537,829	.....	.....	2,206,868	118,717	67,105	93,818	31,630
1918	3,035,061	.....	.....	2,982,384	131,225	51,905	100,470	32,858
1919	2,611,009	.....	.....	2,325,787	85,616	53,462	70,033	.....
1920	3,359,309	.....	.....	3,419,021	130,594	.....	103,693	.....
1921	2,943,141	.....	.....	2,897,380	96,674	.....	62,466	.....
1922	3,086,669	.....	635,073	2,214,373	40,417	.....	33,663	.....
1923	3,161,741	.....	459,569	2,745,313	107	.....	35,638	.....
1924	3,096,660	.....	585,765	2,521,288	.....	.....	.....	.....
1925	3,166,350	.....	581,835	2,145,200	.....	.....	.....	.....
1926	3,194,929	.....	490,371	2,858,508	.....	.....	791	.....
1927	3,357,171	.....	595,190	2,984,419	.....	.....	11,381	.....
1928	3,378,200	.....	740,498	3,215,481	.....	287	20,649	173
1929	3,355,749	.....	668,108	3,093,393	.....	.....	24,768	.....
1930	2,874,090	.....	603,331	2,278,490	.....	.....	28,167	.....
							24,111	

\*Includes outputs from Alberta and Saskatchewan. Previous to 1922 Sub-Bituminous was included in Bituminous Coal.

During the year 1909 a strike affecting all the larger mines in the Province lasted for a period of three months.  
 During the year 1911 a strike affecting all the larger mines in the Province lasted for a period of eight months.  
 During the year 1917 a strike affecting all the larger mines in the Province lasted for a period of three months.  
 During the year 1919 a strike affecting all the larger mines in the Province lasted for a period of three months.  
 During the year 1922 a strike affecting all the larger mines in the Province lasted for a period of five months.  
 During the year 1924 a strike affecting all the larger mines in the Province lasted for a period of six and a half months.



How the total DOMESTIC output of coal from the Province was disposed of:

	Sold for Consumption in:					Used under Colliery Boilers	Used by Colliery R.R.	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock or waste.
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States						
Ardley .....	2,736	.....	.....	.....	.....	.....	.....	.....	116	.....	.....	2,852
Big Valley .....	4,160	.....	.....	30	.....	.....	.....	.....	261	.....	.....	4,451
Brooks .....	7,992	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,992
Camrose .....	27,156	76	6,412	558	.....	.....	.....	.....	799	130	.....	35,443
Carbon .....	48,486	1,188	14,767	20,091	256	35	.....	1,705	3,680	1,609	.....	91,027
Castor .....	23,433	.....	32	.....	32	.....	.....	37	1,119	22	.....	24,759
Champion .....	12,149	.....	.....	.....	.....	12,140	.....	.....	292	.....	.....	12,441
Drumheller .....	267,593	64,933	734,929	305,676	21,911	10,317	22,536	5,222	6,431	5,868	330	1,433,350
Edmonton .....	373,051	880	26,878	7,886	114	408,813	7,339	200	1,267	309	.....	417,310
Gleichen .....	3,055	.....	.....	.....	.....	3,055	.....	.....	.....	.....	.....	3,055
Halcourt .....	432	.....	.....	.....	.....	432	.....	.....	.....	16	.....	436
Lethbridge .....	177,433	53,187	226,544	22,397	1,500	495,998	48,877	10,268	11,728	22,169	.....	545,227
Maaneth .....	969	.....	.....	.....	.....	969	.....	.....	.....	.....	.....	969
Milk River .....	1,136	.....	.....	.....	.....	1,136	.....	.....	221	.....	.....	1,357
Pakowki .....	1,835	.....	.....	.....	.....	1,835	.....	.....	257	.....	.....	2,092
Pembina .....	59,473	12,525	22,850	10,918	368	106,134	10,984	5,030	21,43	4,688	.....	119,983
Redcliff .....	14,085	234	10,488	132	.....	24,917	263	.....	.....	.....	.....	25,180
Rochester .....	140	.....	.....	.....	.....	140	.....	.....	.....	.....	.....	140
Sheerness .....	17,331	.....	1,982	.....	.....	19,333	1,569	.....	772	.....	.....	21,674
Taber .....	8,501	65	1,361	507	.....	32	50	19	1,943	111	64	12,303
Tofield .....	33,021	.....	52,035	24,036	.....	109,092	2,800	.....	40	.....	.....	111,932
Wetaskiwin .....	105	.....	.....	.....	.....	105	.....	.....	.....	.....	.....	105
Whitcourt .....	12	.....	.....	.....	.....	12	.....	.....	.....	.....	.....	12
Total .....	1,084,438	133,088	1,098,273	392,231	24,181	25,294	97,183	22,481	31,069	34,922	394	2,874,090

SUB-BITUMINOUS

	SOLD FOR CONSUMPTION IN:						Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by Colliery R.R.	Used making Briquettes	Put to Stock	Put to Waste	Lifted from Stock	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	Quebec	United States								
Coalspur .....	26,936	47,164	24,911	59,986	3,726	.....	144	276,223	439,090	22,498	5,642	.....	810	47,814	515,296
Pekisko .....	3,294	.....	.....	.....	.....	.....	.....	3,294	28	.....	.....	.....	36	882	4,225
Pincher .....	2,172	.....	.....	.....	.....	.....	97	2,269	49	.....	.....	.....	.....	.....	2,318
Prairie Creek .....	2,849	4,309	844	1,615	32	.....	.....	5,470	2,146	.....	.....	.....	.....	1,840	15,425
Saunders .....	9,905	1,160	35,638	11,576	1,812	32	.....	543	5,569	.....	.....	115	.....	283	66,067
Total.....	45,156	52,633	61,393	73,177	5,570	32	241	282,236	520,438	30,290	5,642	.....	961	48,696	603,331

BITUMINOUS

Cascade .....	4,100	1,279	517	5	.....	.....	63	166,971	172,935	17,405	466	22,272	3,298	135	3,558	212,953
Crow's Nest .....	39,055	40,244	54,973	43,661	33	.....	18,693	878,732	1,075,391	86,705	544	.....	10,213	18,375	7,314	1,133,914
Mountain Park .....	53,173	141	6,318	32,463	.....	.....	.....	604,633	696,728	30,049	.....	.....	.....	.....	.....	726,777
Nordeg .....	8,460	.....	68	.....	.....	.....	.....	187,665	196,193	8,949	.....	.....	3,410	957	4,663	204,846
Total.....	104,788	41,664	61,876	76,129	33	.....	18,756	1,838,001	2,141,247	93,108	1,010	22,272	16,921	19,467	15,535	2,278,490

How the total output of COAL from the Province was disposed of by months during 1930:

Months	SOLD FOR CONSUMPTION IN:															
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	Quebec	United States	Sold to Railroad Companies	Total Sales	Used under Boilers	Used by R.R.	Used making Briquettes	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste
January .....	214,890	56,428	200,738	92,121	6,024	.....	8,609	174,605	753,415	24,504	818	3,679	3,208	9,531	4,509	.....
February .....	102,385	15,865	88,848	48,938	3,435	.....	3,242	154,919	417,982	20,553	528	2,176	3,550	5,137	2,144	53
March .....	95,353	13,274	72,123	34,245	1,206	.....	1,602	160,134	378,838	19,955	583	1,566	2,369	5,037	8,472	11
April .....	50,461	4,027	25,977	8,739	493	.....	1,251	101,737	253,838	14,171	483	327	4,268	5,167	6,340	.....
May .....	57,828	5,134	37,342	6,583	555	.....	1,008	151,737	253,838	14,171	483	327	4,268	5,167	6,340	.....
June .....	54,070	6,134	36,444	7,274	1,445	.....	1,008	151,737	253,838	14,171	483	327	4,268	5,167	6,340	.....
July .....	42,941	6,416	33,866	11,714	4,398	.....	1,756	225,259	332,384	14,602	493	1,468	1,912	7,380	3,329	.....
August .....	68,816	11,166	78,791	11,113	4,398	.....	1,067	188,220	298,540	14,851	833	790	3,559	7,696	3,406	330
September .....	103,417	21,208	142,432	53,484	827	.....	1,619	193,504	374,725	16,537	561	1,540	1,988	7,478	3,106	.....
October .....	183,475	33,698	258,435	105,336	2,237	.....	4,082	201,716	527,161	18,811	889	1,918	3,567	10,669	3,147	.....
November .....	143,582	26,454	146,255	76,048	4,570	32	7,435	144,069	734,785	21,817	834	3,823	2,335	14,556	2,940	.....
December .....	116,364	27,605	103,171	74,761	3,291	.....	5,693	149,625	552,309	19,865	797	3,012	5,931	10,913	4,208	.....
Total .....	1,234,382	227,385	1,221,542	541,537	29,784	32	44,291	2,120,237	5,419,190	220,531	7,820	22,272	40,363	99,232	53,153	394
Percentage of Sales .....	22.78	4.20	22.54	10.00	.55	.....	.81	39.12	.....	.....	.....	.....	.....	.....	.....	.....
Total output for year including put to stock and waste but not lifted from stock or waste	790,646	448,329	399,585	271,349	301,109	354,010	322,619	559,668	775,310	587,619	545,494	.....	.....	.....	.....	.....

## THE MINES BRANCH

Total output of DOMESTIC Coal disposed of by months during 1930:

Month	SOLD FOR CONSUMPTION IN:						Used under Colliery Boilers	Used by R.R. Colliery	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	Columbia	Saskatchewan	Manitoba	Ontario	United States							
January .....	193,457	38,647	177,937	70,231	4,936	5,368	12,081	157	2,517	4,282	3,421	.....	506,192
February .....	91,728	7,228	78,980	36,308	2,624	1,359	9,091	84	1,454	1,719	2,114	53	228,408
March .....	85,321	7,146	65,698	27,676	984	893	9,099	81	1,399	1,380	4,662	11	185,004
April .....	42,819	2,171	23,740	6,050	560	338	75,723	61	1,472	311	5,242	.....	78,089
May .....	45,966	2,007	34,671	5,217	480	207	88,548	32	766	557	3,923	.....	92,033
June .....	43,486	2,376	32,637	4,909	1,232	432	85,072	69	692	700	2,132	.....	90,051
July .....	33,804	3,041	32,012	5,377	3,735	244	74,233	17	1,157	821	1,837	.....	70,696
August .....	54,246	6,378	45,885	11,819	663	970	7,331	54	1,784	1,265	1,344	330	149,011
September .....	90,338	12,619	137,308	37,679	694	2,324	8,331	104	1,445	4,298	1,800	.....	283,780
October .....	168,628	19,739	237,934	84,279	2,038	5,676	10,563	222	2,563	8,676	1,500	.....	538,577
November .....	130,981	16,616	184,680	56,073	3,796	3,703	8,786	142	3,978	4,404	2,450	.....	360,709
December .....	103,614	15,100	90,791	46,613	2,439	3,705	8,599	145	3,154	2,657	4,377	.....	272,540
Total .....	1,084,438	133,088	1,098,273	392,231	24,181	25,294	97,183	1,168	22,451	31,069	34,922	394	2,874,090
Percentage of Total Sales .....	39.83	4.33	39.98	13.52	.90	.94							

## SUB-BITUMINOUS

Months	SOLD FOR CONSUMPTION IN:							Total Sales	Used by Colliery Boilers	Used by R.R. Colliery	Put to Stock	Put to Waste	Lifted from Stock	Total output for year including put to stock and waste but not lifted from stock or waste	
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	Quebec	United States								
January	5,541	11,439	11,727	14,820	1,088	.....	81	31,068	75,764	3,146	570	15	4,211	316	83,390
February	2,300	4,476	3,771	7,566	811	.....	64	25,352	44,340	2,819	570	150	2,551	.....	50,450
March	1,888	2,185	889	1,721	222	.....	.....	17,309	24,414	2,102	434	11	2,126	165	28,322
April	5,954	1,551	242	1,760	53	.....	.....	17,531	13,471	1,180	310	50	3,189	139	241,011
May	5,375	1,537	386	1,720	75	.....	.....	9,572	16,597	1,171	790	.....	4,381	80	22,119
June	5,052	1,146	1,726	471	213	.....	.....	18,995	27,603	1,844	346	.....	4,800	.....	34,592
July	3,337	1,089	3,632	2,367	1,163	.....	.....	25,910	37,498	2,043	718	57	4,606	.....	44,322
August	7,048	2,563	6,245	6,024	40	.....	.....	26,271	48,191	2,622	430	.....	4,566	86	55,713
September	4,573	5,716	9,542	8,659	133	.....	.....	27,768	56,591	3,452	590	90	4,307	700	64,240
October	4,345	9,001	12,796	13,421	199	.....	30	27,706	67,498	3,638	530	100	4,880	445	76,201
November	2,388	5,885	5,001	7,778	741	32	33	27,665	49,523	3,298	575	170	4,561	390	57,727
December	2,355	7,445	5,456	9,918	852	.....	33	26,889	52,948	2,975	610	318	4,508	375	60,384
Total	45,156	52,633	61,393	73,177	5,570	32	241	282,236	520,438	30,290	5,642	961	48,696	2,696	603,331
Percentage of Total Sales	8.69	10.13	11.80	14.08	1.01	.....	.05	54.24							

BITUMINOUS

Months	SOLD FOR CONSUMPTION IN:						Used under Colliery Boilers	Used by R.R.	Used making Briquettes	Put to Stock	Put to Waste	Lifted from Stock	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States							
January	15,892	6,342	11,074	7,070	.....	3,169	143,537	137,075	9,277	91	3,679	676	201,064
February	8,707	4,161	6,097	5,064	.....	1,819	129,567	155,415	8,643	74	2,476	2,046	169,471
March	8,144	3,943	5,536	4,849	.....	1,009	142,925	166,406	8,774	68	1,566	959	175,659
April	6,688	1,305	1,095	2,529	.....	1,371	144,206	138,094	7,227	97	327	2,746	169,189
May	6,437	1,990	2,305	1,254	.....	1,801	165,018	177,895	7,256	80	714	380	186,957
June	5,532	2,612	2,081	1,894	.....	1,326	206,264	219,709	7,108	79	1,468	1,220	230,267
July	5,800	2,342	3,370	3,370	.....	803	172,310	186,909	7,109	98	1,790	2,345	198,001
August	7,322	2,284	3,681	5,050	.....	619	167,233	186,123	6,584	77	1,510	2,004	194,549
September	8,456	2,338	5,532	6,946	.....	1,718	173,948	199,513	6,978	85	1,018	1,732	211,648
October	10,602	4,968	7,705	7,636	.....	1,739	116,363	149,003	7,616	82	332	472	160,532
November	10,283	3,953	6,524	12,197	33	1,957	121,960	146,937	7,181	80	2,012	1,783	168,183
December	10,895	5,060	6,924	18,230	.....	2,384	154,670	188,163	8,115	99	2,459	2,338	211,370
Total	104,788	41,664	61,876	76,129	33	18,756	1,383,001	2,141,247	98,108	1,010	22,272	16,921	2,278,490
Percentages of Total Sales	4.89	1.94	2.89	3.56	.....	.88	85.84	.....	.....	.....	.....	.....	.....



Amount of COAL sold during the years 1915 to 1930 inclusive for consumption in:

Year	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	Quebec	United States	To Railroads	Total
1915	2,129,120	54,860	495,898	64,816	.....	.....	25,047	.....	2,967,751
1916	2,866,670	86,413	1,007,765	97,265	.....	.....	61,092	.....	4,119,205
1917	2,813,413	76,397	1,139,771	249,872	.....	.....	93,081	.....	4,372,534
1918	3,440,154	101,189	1,372,439	511,168	629	.....	133,276	.....	5,558,855
1919	2,991,110	95,481	1,115,329	314,290	308	.....	121,212	.....	4,837,710
1920	1,647,292	128,830	1,310,146	600,962	13,911	30	153,610	2,516,555	6,371,266
1921	1,415,851	116,089	1,254,441	495,388	9,898	.....	133,823	2,023,204	5,488,704
1922	1,443,942	107,920	1,371,240	520,518	21,573	102	105,514	2,076,291	5,647,109
1923	1,382,738	108,326	1,233,454	553,649	52,334	.....	83,557	3,110,121	6,514,219
1924	1,431,327	114,156	1,189,788	510,407	16,525	.....	39,142	1,613,574	4,914,949
1925	1,440,032	117,037	1,297,653	509,655	28,831	.....	40,507	2,139,716	5,578,431
1926	1,325,280	127,858	1,296,181	591,267	74,559	221	48,216	2,706,440	6,170,032
1927	1,508,059	187,098	1,438,991	612,542	29,680	.....	45,140	2,759,765	6,563,168
1928	1,409,475	262,198	1,511,141	895,125	52,265	.....	44,285	3,054,239	6,938,708
1929	1,446,565	236,840	1,355,213	588,642	55,647	33	51,635	2,923,827	6,758,075
1930	1,234,332	227,385	1,221,542	541,537	29,784	32	44,231	2,120,237	5,419,100

NOTE: Previous to 1920 Railroad Coal was included in Sales in Alberta.

## THE MINES BRANCH

Coal produced by years from 1926 to 1930 inclusive:

## DOMESTIC COAL FIELD

Areas	1926	1927	1928	1929	1930
Ardley .....	10,755	8,102	6,725	3,344	2,852
Big Valley .....	19,588	20,180	9,089	4,622	4,451
Brooks .....	4,011	4,001	5,666	6,633	7,992
Camrose .....	56,639	53,486	43,905	41,107	35,443
Carbon .....	97,274	91,271	110,286	111,308	91,027
Castor .....	33,627	36,483	34,100	31,583	24,759
Champion .....	8,189	8,054	8,755	10,498	12,441
Drumheller .....	1,385,423	1,460,655	1,487,483	1,574,766	1,433,350
Edmonton .....	459,035	513,256	452,671	476,702	417,310
Empress .....	.....	.....	.....	.....	.....
Gleichen .....	3,207	3,277	3,289	2,844	3,055
Halcourt .....	494	604	636	475	436
Lethbridge .....	658,882	695,139	795,855	731,149	545,227
Magrath .....	1,580	463	598	910	969
Milk River .....	2,899	2,087	1,104	829	1,357
Pakowki .....	2,410	1,801	1,917	1,735	2,092
Pembina .....	158,837	177,387	158,907	162,271	119,983
Redcliff .....	32,776	29,119	25,697	27,283	25,180
Sexsmith .....	.....	.....	.....	.....	.....
Sheerness .....	27,404	26,499	22,672	20,440	21,674
Stevenville .....	349	123	.....	.....	.....
Taber .....	63,291	72,329	58,950	22,173	12,303
Tofield .....	132,879	152,375	149,012	155,059	111,932
Wainwright .....	.....	.....	.....	18	.....
Wetaskiwin .....	470	259	159	.....	105
Whitcourt .....	10	110	119	.....	12
No Area Assigned .....	.....	111	605	.....	.....
Rochester .....	.....	.....	.....	.....	140
Total.....	3,160,029	3,357,171	3,378,200	3,385,749	2,874,090

## SUB-BITUMINOUS COAL FIELD

Coalspur .....	402,259	504,987	645,370	565,991	515,296
Morley .....	.....	.....	.....	.....	.....
Pekisko .....	6,303	4,312	2,189	4,493	4,225
Pincher .....	2,734	2,173	3,213	1,823	2,318
Prairie Creek .....	.....	.....	.....	6,713	15,425
Saunders .....	79,075	83,718	89,726	89,088	66,067
Total.....	490,371	595,190	740,498	668,108	603,331

## BITUMINOUS COAL FIELD

Brule .....	125,285	130,611	75,203	.....	.....
Cascade .....	275,639	290,212	283,587	299,428	212,953
Crow's Nest .....	1,452,069	1,443,066	1,639,343	1,552,966	1,138,914
Mountain Park .....	806,500	883,913	975,584	993,404	726,777
Nordegg .....	199,015	2,984,419	3,215,481	3,093,393	2,278,490
Total.....	2,858,508	2,984,419	3,215,481	3,093,393	2,278,490

Total amount of DOMESTIC COAL by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	494	342	95	97	126	23	25	60	42	504	578	700	2,852
Big Valley .....	881	321	265	148	362	301	308	444	327	762	940	573	4,451
Brooks .....	508	330	469	234	362	301	308	444	327	762	940	573	4,451
Camrose .....	6,061	2,431	2,518	1,875	2,112	1,406	750	1,294	3,350	5,247	1,379	690	7,992
Carbon .....	14,112	5,803	8,934	3,338	1,002	858	2,362	1,786	8,049	19,786	4,393	3,406	35,443
Caster .....	4,114	1,892	1,094	327	244	214	199	225	760	3,718	17,295	7,702	91,037
Champion .....	1,294	755	807	306	443	251	244	462	1,356	2,546	2,306	4,645	24,759
Drumheller .....	273,822	109,845	84,199	24,102	32,702	23,789	24,577	68,281	158,252	302,743	187,225	143,113	1,433,350
Edmonton .....	80,485	45,100	36,690	18,972	19,139	19,193	12,904	16,688	30,346	53,825	41,394	41,974	417,310
Gleichen .....	450	181	215	108	103	63	56	55	271	544	578	430	3,055
Halcourt .....	75	18	18	9,399	17,514	26,986	27,621	43,514	58,951	102,341	60,857	36,667	545,227
Lethbridge .....	88,702	36,703	35,972	5	10	38	46	15	70	95	198	201	969
Magrath .....	249	90	18	5	10	38	46	15	70	95	198	201	969
Milk River .....	37	85	92	21	38	43	46	15	37	471	171	158	1,357
Pakowki .....	295	119	91	14	27	14	15	15	80	579	626	217	2,092
Pembina .....	14,649	9,800	10,275	9,042	8,898	7,755	4,211	8,171	8,609	17,041	10,542	10,990	119,983
Redcliff .....	3,674	1,672	1,539	2,300	870	2,379	970	1,421	1,347	3,109	2,566	3,333	25,180
Rochester .....	2,050	2,198	1,017	424	448	406	527	578	1,609	5,954	5,084	140	21,674
Sheerness .....	1,673	897	809	273	259	141	158	205	865	2,926	1,658	2,438	12,303
Taber .....	12,567	10,677	9,903	7,104	7,736	6,217	4,708	5,740	8,266	14,339	13,378	11,097	111,932
Tofield .....	.....	49	2	.....	.....	12	.....	.....	.....	.....	21	33	105
Wetaskiwin .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
Whitecourt .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total .....	506,192	228,408	195,004	78,089	92,033	90,051	79,696	149,011	283,780	538,577	360,709	272,540	2,874,090

## SUB-BITUMINOUS

Coalspur .....	67,737	44,858	26,392	23,159	20,580	31,859	39,337	48,729	51,584	59,667	48,330	53,064	515,296
Pekisko .....	407	265	666	272	750	141	322	369	233	273	270	257	4,225
Pincher .....	332	234	116	120	59	60	3	112	203	322	369	388	2,318
Prairie Creek .....	1,716	942	486	.....	.....	.....	.....	.....	2,881	4,147	8,275	1,978	15,425
Saunders .....	13,198	4,151	1,262	520	730	2,532	5,260	6,503	9,339	11,792	5,483	5,297	66,067
Total .....	83,390	50,450	28,922	24,071	22,119	34,592	44,922	55,713	64,240	76,201	57,727	60,984	603,331

## BITUMINOUS

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	13,935	17,027	17,304	15,284	19,240	23,274	20,562	18,287	20,192	14,474	14,526	18,848	212,953
Crow's Nest .....	92,629	80,070	100,635	95,562	103,615	108,137	92,422	89,347	102,307	75,256	83,644	109,690	1,133,914
Mountain Park .....	72,055	52,982	44,847	45,293	51,200	80,553	68,979	69,926	71,089	53,644	52,165	64,344	726,777
Nordegg .....	22,445	19,292	12,873	13,050	12,302	18,303	16,038	16,889	18,060	17,158	18,848	19,088	204,846
Total.....	201,064	169,471	175,659	169,189	186,957	230,267	198,001	194,549	211,648	160,532	169,183	211,970	2,278,490

## Total output of COAL AND BRIQUETTES during the year:

Coal .....	790,646	448,329	399,585	271,349	301,109	354,910	322,619	399,273	559,668	775,310	587,619	545,494	5,755,911
Briquettes .....	3,989	2,692	1,700	355	775	1,597	854	1,668	2,073	3,586	2,170	2,652	24,111

## Total amount of SUB-BITUMINOUS COAL sold to Railroad Companies, by areas during each month for consumption by same:

Coalspur .....	31,068	25,322	17,509	17,531	9,572	18,995	25,751	26,079	26,436	25,770	25,922	26,238	276,223
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	1,204	1,872	1,743	651	5,470
Saunders .....	.....	.....	.....	.....	.....	.....	159	192	128	64	.....	.....	543
Total.....	31,068	25,322	17,509	17,531	9,572	18,995	25,910	26,271	27,768	27,706	27,665	26,889	282,236

## BITUMINOUS COAL

Cascade .....	8,216	11,494	13,117	14,024	16,462	20,452	18,040	15,077	16,409	8,821	10,486	14,373	166,971
Crow's Nest .....	56,517	57,311	81,988	80,957	92,957	96,649	77,220	76,346	81,677	48,099	55,427	73,584	878,732
Mountain Park .....	58,788	44,087	35,811	37,207	43,595	73,017	60,550	59,830	59,325	43,231	40,083	48,659	604,633
Nordegg .....	20,016	16,675	12,009	12,018	12,004	16,146	16,500	15,980	16,037	16,212	16,014	18,054	187,665
Total.....	143,537	129,567	142,925	144,206	165,018	206,264	172,310	167,233	173,948	116,363	121,960	154,670	1,838,001
Total.....	174,605	154,919	160,434	161,737	174,590	225,259	198,229	193,504	201,716	144,069	149,625	181,559	2,120,237



## THE MINES BRANCH

## MINE RUN COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	465	327	89	97	.....	.....	.....	.....	10	283	553	596	2,420
Big Valley .....	722	239	201	104	81	.....	15	.....	165	474	608	419	3,051
Camrose .....	211	99	168	20	27	33	1	3	156	247	487	446	1,898
Carbon .....	719	402	293	73	231	68	73	103	311	1,194	933	1,298	5,688
Castor .....	3,339	1,487	806	201	145	127	122	152	480	2,795	6,172	3,836	19,662
Champion .....	431	286	239	145	167	71	154	182	471	711	573	343	3,713
Drumheller .....	550	350	171	55	393	398	231	107	171	297	446	698	3,777
Edmonton .....	4,380	4,599	5,361	4,346	4,173	5,656	6,037	6,222	2,847	2,526	2,410	2,027	50,584
Gleichen .....	64	21	29	.....	.....	.....	.....	.....	.....	25	16	.....	162
Halcourt .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23
Lethbridge .....	227	170	170	18	24	22	8	18	44	144	112	825	1,782
Milk River .....	15	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	44	63
Pakewi .....	177	82	40	.....	5	.....	3	4	30	337	475	165	1,330
Pemba .....	1,816	1,936	1,759	1,638	1,195	1,186	750	716	424	748	751	1,095	14,004
Redcliff .....	1,208	595	1,033	1,192	616	1,862	929	1,087	697	923	896	1,393	12,231
Rochester .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	140
Smeeth .....	1,322	643	642	224	260	270	368	318	381	4,095	3,090	1,238	13,451
Taber .....	434	186	266	201	144	173	61	85	342	939	470	582	4,615
Tofield .....	4,218	2,732	2,796	1,298	1,166	1,058	781	896	1,212	1,488	1,934	1,732	21,311
Wetaskiwin .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
Total .....	20,298	14,098	14,072	9,502	8,617	10,547	9,533	9,908	8,341	17,246	19,926	17,239	159,327

## MINE-RUN COAL

Big Valley .....	92	53	50	40	40	12	10	12	55	95	100	40	599
Camrose .....	1,970	891	905	550	593	269	148	400	1,134	1,713	1,573	1,055	11,201
Carbon .....	2,333	1,059	1,807	977	127	147	381	459	1,288	2,932	2,709	1,207	15,426
Castor .....	58	27	28	15	8	8	3	.....	21	54	70	49	341
Champion .....	120	79	68	14	6	21	.....	43	88	120	150	152	861
Drumheller .....	9,760	3,413	3,353	1,675	2,232	2,063	1,660	3,152	4,717	9,602	6,353	3,676	51,666
Edmonton .....	21,098	12,342	12,342	6,775	5,928	4,832	2,819	4,313	8,093	14,939	11,498	11,476	117,096
Gleichen .....	.....	12	28	18	18	9	11	12	38	87	46	34	313
Lethbridge .....	4,830	2,061	2,487	717	2,523	2,463	1,971	2,780	3,205	6,793	4,637	2,862	37,319
Magrath .....	74	35	.....	.....	.....	.....	.....	.....	20	40	55	100	344
Milk River .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	.....	22
Pembina .....	350	131	1,613	168	1,199	1,288	374	1,283	264	857	509	358	8,394
Redcliff .....	8	4	7	2	3	1	1	4	7	54	31	15	137
Sherness .....	33	33	.....	.....	.....	.....	.....	.....	33	165	322	129	715
Taber .....	47	51	19	6	3	.....	.....	.....	6	.....	95	34	261
Telford .....	54	65	.....	.....	.....	.....	.....	.....	.....	92	119	72	402
Whitecourt .....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....	.....	12
Total .....	40,827	20,897	22,717	10,957	12,680	11,125	7,378	12,458	18,969	37,543	28,299	21,259	245,109

## SLACK COAL

Ardley .....	15	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
Big Valley .....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
Camrose .....	455	242	103	67	44	136	120	161	155	257	333	146	2,219
Carbon .....	331	106	1,409	642	.....	14	264	184	529	717	1,537	508	6,241
Castor .....	.....	.....	4	.....	22	.....	.....	.....	.....	.....	.....	.....	4
Champion .....	16,313	6,222	6,312	3,356	5,345	2,961	2,620	3,381	7,370	9,894	5,171	6,548	76,732
Drumheller .....	16,188	8,600	6,619	2,820	3,656	3,446	1,966	2,519	6,319	9,406	8,215	7,909	77,723
Edmonton .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25	20	45
Gleichen .....	15	2	.....	.....	.....	.....	.....	3	8	8	15	8	59
Halcourt .....	3,688	798	1,479	91	362	455	860	3,240	4,035	8,526	6,121	3,012	32,667
Lethbridge .....	12	3	5	3	4	2	2	2	8	23	.....	.....	64
Pakowki .....	2,225	1,562	2,533	2,282	1,323	1,218	435	1,182	1,296	3,583	2,193	1,937	21,769
Pembina .....	28	22	18	2	4	.....	.....	2	17	891	73	50	305
Redcliff .....	10	7	4	2	4	5	3	5	11	65	46	10	172
Sherness .....	58	109	60	5	5	.....	.....	.....	5	.....	.....	111	356
Taber .....	.....	.....	208	231	308	264	339	464	202	68	.....	.....	2,084
Tofield .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total .....	39,348	18,178	18,814	9,501	11,277	8,501	6,609	11,743	19,967	32,636	23,679	20,259	220,512

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Alberta:

### LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	1,582	771	407	190	78	119	98	412	1,185	1,604	768	717	7,931
Pincher .....	164	67	35	15	16	12	.....	5	17	42	38	88	499
Prairie Creek .....	141	33	78	.....	.....	.....	.....	.....	293	312	123	89	1,069
Saunders .....	1,410	243	141	80	99	241	326	435	954	1,010	388	409	5,780
Total .....	3,297	1,114	661	285	193	372	418	902	2,449	2,968	1,317	1,303	15,279

### MINE-RUN COAL

Coalspur .....	139	69	78	91	4,086	3,281	1,618	3,724	919	27	72	36	14,140
Pekisko .....	305	256	535	230	710	21	137	299	198	233	183	187	3,294
Pincher .....	.....	.....	.....	15	1	17	.....	40	.....	73	212	61	419
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	150	120	70	340
Saunders .....	95	7	178	76	46	40	43	73	79	57	53	94	841
Total .....	539	332	791	412	4,843	3,359	1,798	4,136	1,196	540	640	448	19,034

### NUT COAL

Coalspur .....	125	50	84	9	72	105	103	89	144	162	14	104	1,061
Pincher .....	85	73	76	85	38	27	3	65	182	202	114	161	1,111
Prairie Creek .....	130	108	61	.....	.....	.....	.....	.....	109	104	62	.....	574
Saunders .....	772	333	61	55	83	189	215	360	284	338	241	258	3,189
Total .....	1,112	564	282	149	193	321	321	514	719	806	431	523	5,935



## SLACK COAL

Coalspur .....	35	.....	.....	77	146	1,000	800	1,496	209	.....	.....	41	3,804
Pincher .....	78	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	40	143
Prairie Creek .....	447	265	154	31	.....	.....	.....	.....	.....	31	.....	.....	866
Saunders .....	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95
Total.....	593	290	154	108	146	1,000	800	1,496	209	31	.....	81	4,908

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Alberta:

## LUMP COAL

Cascade .....	170	150	120	21	88	29	17	53	76	175	121	203	1,223
Crow's Nest .....	734	233	298	127	235	111	69	101	247	529	488	394	3,566
Mountain Park .....	169	86	109	59	32	33	22	28	37	184	90	153	932
Total.....	1,073	469	527	207	355	173	108	182	360	818	699	750	5,721

## MINE-RUN COAL

Cascade .....	276	205	49	.....	786	.....	.....	144	100	115	.....	238	1,211
Crow's Nest .....	4,759	2,061	2,013	1,016	3,869	673	867	1,659	2,125	2,216	2,394	2,437	23,008
Mountain Park .....	6,098	3,636	4,120	3,972	3,175	3,642	3,837	3,837	4,405	5,274	5,085	5,241	52,241
Nordeg .....	1,398	734	824	525	302	352	246	321	592	974	1,054	1,138	8,460
Total.....	12,531	6,836	7,008	5,513	5,041	4,200	4,755	6,061	7,222	8,579	8,533	8,841	84,920

## NUT COAL

Cascade .....	47	47	38	28	22	20	19	5	18	41	33	39	357
Crow's Nest .....	153	30	42	15	22	19	18	27	32	150	136	50	694
Total.....	200	77	80	43	44	39	37	32	50	191	169	89	1,051

## SLACK COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	222	187	239	142	192	95	141	93	.....	.....	.....	.....	1,311
Crow's Nest .....	1,866	1,338	290	783	855	1,025	759	954	824	1,014	862	1,215	11,785
Total.....	2,088	1,525	529	925	1,047	1,120	900	1,047	824	1,014	862	1,215	13,096

Total amount of Domestic Coal disposed of by areas during each month for consumption in British Columbia:

## LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Camrose .....	72	.....	.....	.....	.....	76	.....	.....	32	139	105	.....	76
Carbon .....	11,875	2,009	2,112	601	389	461	786	1,949	4,413	7,508	6,123	5,613	387
Drumheller .....	37	173	.....	.....	251	195	.....	.....	32	.....	.....	.....	43,839
Edmonton .....	17,259	1,814	1,626	381	345	713	950	1,905	3,019	4,589	4,595	92	780
Lethbridge .....	1,346	260	105	.....	.....	38	38	209	379	604	466	798	41,071
Pembina .....	134	.....	.....	.....	.....	.....	.....	.....	33	33	32	.....	4,243
Redcliff .....	.....	.....	.....	.....	.....	.....	.....	.....	33	33	32	.....	200
Taber .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65
Total.....	30,723	4,256	3,843	982	985	1,483	1,774	4,063	7,908	12,873	11,446	10,325	90,661

## NUT COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Carbon .....	72	36	291	68	291	400	448	1,283	2,491	3,668	104	109	680
Drumheller .....	3,637	1,296	1,309	488	.....	.....	.....	.....	.....	.....	2,905	2,501	20,715
Edmonton .....	2,534	920	755	133	483	431	615	689	1,534	1,768	34	66	100
Lethbridge .....	1,681	720	906	500	248	62	204	343	668	1,231	1,297	957	12,116
Pembina .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	832	887	8,282
Total.....	7,924	2,972	3,261	1,189	1,022	893	1,267	2,315	4,693	6,667	5,170	4,520	41,893



## NUT COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	28	135	30	36	.....	.....	.....	.....	34	162	.....	.....	425
Crow's Nest .....	67	67	34	.....	.....	32	.....	139	33	67	99	33	571
Total.....	95	202	64	36	.....	32	.....	139	67	229	99	33	996

## SLACK COAL

Crow's Nest .....	4,567	3,066	2,746	1,150	1,688	2,447	2,284	1,975	2,073	4,039	3,202	4,298	33,535
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Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in British Columbia:

## LUMP COAL

Coalspur .....	7,860	2,722	1,248	326	599	401	386	1,579	2,788	5,122	3,207	4,808	31,026
Fincher Creek .....	259	37	68	.....	.....	.....	.....	.....	532	660	595	498	2,639
Saunders .....	217	33	32	.....	.....	.....	77	67	233	133	132	101	1,025
Total.....	8,336	2,792	1,348	326	599	401	463	1,646	3,523	5,915	3,334	5,407	34,690

## MINE-RUN COAL

Coalspur .....	114	66	32	.....	97	98	145	139	.....	.....	.....	.....	691
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	97	.....	97
Total.....	114	66	32	.....	97	98	145	139	.....	.....	97	.....	788

## NUT COAL

Coalspur .....	2,757	1,486	805	225	410	647	481	778	1,708	2,651	1,680	1,788	15,416
Prairie Creek .....	197	97	.....	.....	.....	.....	.....	.....	485	370	174	250	1,573
Saunders .....	35	35	.....	.....	.....	.....	.....	.....	.....	65	.....	.....	135
Total.....	2,989	1,618	805	225	410	647	481	778	2,193	3,086	1,854	2,038	17,124

## SLACK COAL

Coalspur .....	.....	.....	.....	.....	31	.....	.....	.....	.....	.....	.....	.....	31
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Total amount of Domestic Coal disposed of by areas during each month for consumption in Saskatchewan:

## LUMP COAL

Camrose .....	460	112	195	94	32	190	70	191	484	697	362	300	3,187
Carbon .....	1,258	223	211	.....	102	100	707	243	1,155	3,855	3,082	638	11,574
Castor .....	.....	.....	.....	.....	7,056	5,128	5,174	28,520	67,397	129,329	68,195	47,593	32
Drumheller .....	101,911	38,790	26,391	3,265	2,571	342	234	323	1,119	3,186	1,803	1,990	529,249
Edmonton .....	2,407	1,561	1,396	1,981	2,384	8,411	7,672	15,729	21,862	37,994	17,191	7,258	15,582
Lethbridge .....	17,154	11,742	11,539	1,986	1,561	557	44	456	129	1,421	931	796	161,422
Pembina .....	511	167	211	62	.....	.....	.....	56	169	838	462	426	6,946
Redcliff .....	606	180	116	.....	.....	.....	.....	56	64	511	224	126	2,848
Taber .....	34	51	243	.....	67	33	68	264	858	4,459	4,637	1,572	14,132
Tofield .....	1,355	576	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	125,696	53,412	40,292	5,518	12,423	15,261	13,969	45,782	93,737	182,284	96,919	60,699	745,992

MINE-RUN COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Camrose .....													34
Carbon .....												30	60
Drumheller .....	73	34			906	795	423	98	175	172	70	41	2,861
Edmonton .....			310	523	340							65	1,238
Pembina .....			161	1,038	599	1,677	1,516	1,605	563				7,209
Redcliff .....	1,355	742	357	1,072	247	682	40	272	145	673	782	1,101	7,468
Sheerness .....	180	183	90	60	30			30	90	214	240	252	1,869
Taber .....		3,492	3,680	1,878	2,530	1,586	2,240	1,694	2,079	3,108	2,722	30	30
Tofield .....	3,784											3,450	32,243
Total .....	5,392	4,451	4,662	4,621	4,652	4,740	4,219	3,699	3,052	4,197	3,848	4,969	52,502

NUT COAL

Camrose .....	246	72	67	66		112			48	220	167	229	1,227
Carbon .....	223	264	606	714			115	34	109	552	349	125	3,091
Drumheller .....	16,738	6,832	6,641	4,752	5,592	2,574	2,330	5,408	12,278	24,022	16,780	10,005	113,952
Edmonton .....	1,053	919	1,056	1,064	1,010	757	102	192	1,303	1,112	653	780	10,001
Lethbridge .....	8,115	3,113	3,196	959	2,274	3,291	2,339	3,456	3,766	5,886	2,479	1,912	41,156
Pembina .....	870	739	318	253	232	63		32	315	1,459	670	523	5,474
Redcliff .....	30									29	32	33	124
Sheerness .....		32								312	236	33	613
Taber .....										246	65		311
Total .....	27,275	11,971	11,884	7,808	9,208	6,797	4,886	9,122	17,819	33,318	21,701	13,640	175,940

## SLACK COAL

Camrose .....	299	78	245	215	305	143	68	158	215	54	.....	184	1,964
Carbon .....	.....	.....	6,689	3,400	4,050	2,407	2,108	4,001	8,770	11,815	10,343	.....	42
Drumheller .....	17,309	7,580	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	88,877
Edmonton .....	.....	.....	908	1,127	2,150	2,529	1,887	2,085	2,972	5,554	1,659	405	23,967
Lethbridge .....	1,332	1,359	390	129	1,129	66	96	100	127	135	210	350	3,221
Pembina .....	391	98	.....	.....	.....	.....	.....	.....	.....	.....	.....	43	.....
Redcliff .....	.....	.....	628	922	754	694	780	896	616	.....	.....	96	5,660
Tofield .....	243	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	19,574	9,146	8,860	5,793	8,388	5,839	4,939	7,282	12,700	17,615	12,212	11,483	123,831

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:

## LUMP COAL

Coalspur .....	2,939	800	268	.....	42	146	292	2,168	3,106	3,754	1,177	1,803	16,495
Prairie Creek .....	97	34	.....	.....	.....	.....	.....	.....	170	243	99	68	711
Saunders .....	4,073	954	280	32	104	707	1,718	2,203	2,629	3,932	1,293	1,259	19,184
Total.....	7,109	1,788	548	32	146	853	2,010	4,371	5,905	7,929	2,569	3,130	36,390

## MINE-RUN COAL

Coalspur .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	370	610	40	1,020
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	30	40	100
Saunders .....	35	.....	.....	.....	.....	.....	.....	.....	.....	65	77	.....	177
Total .....	35	.....	.....	.....	.....	.....	.....	.....	.....	465	717	80	1,297

## NUT COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	286	66	32	36	32	91	32	196	383	450	162	631	2,397
Prairie Creek .....	33	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
Saunders .....	1,311	503	188	136	97	317	992	831	1,475	1,589	947	1,012	9,398
Total .....	1,597	602	220	172	129	408	1,024	1,027	1,858	2,039	1,109	1,643	11,828

## SLACK COAL

Coalspur .....	1,543	877	81	38	.....	140	200	100	849	895	142	134	4,999
Saunders .....	1,443	504	40	.....	91	325	398	747	930	1,468	464	469	6,879
Total .....	2,986	1,381	121	38	91	465	598	847	1,779	2,363	606	603	11,878

Amount of Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:

## LUMP COAL

Cascade .....	.....	33	.....	.....	.....	.....	.....	.....	41	40	.....	59	173
Crow's Nest .....	1,911	1,210	677	168	258	310	577	986	1,087	980	1,063	1,274	10,501
Total .....	1,911	1,243	677	168	258	310	577	986	1,128	1,020	1,063	1,333	10,674

## MINE-RUN COAL

Cascade .....	.....	.....	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	100
Crow's Nest .....	6,421	2,501	2,464	581	712	821	1,142	1,701	3,120	4,935	3,723	3,280	31,401
Mountain Park .....	1,320	585	483	341	263	100	167	340	485	504	777	953	6,318
Nodegg .....	.....	.....	.....	.....	.....	68	.....	.....	.....	.....	.....	.....	68
Total .....	7,741	3,086	2,980	922	975	989	1,309	2,041	3,605	5,472	4,500	4,267	37,887





## NUT COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Carbon .....	2,340	1,278	2,784	382	.....	.....	343	214	1,320	2,895	2,312	752	14,820
Drumheller .....	9,130	4,140	3,968	1,406	947	847	496	1,281	5,280	13,181	8,284	6,124	54,764
Edmonton .....	9,351	31	34	.....	.....	.....	.....	31	.....	94	161	206	54,908
Lethbridge .....	417	98	228	33	35	97	201	193	373	499	132	300	2,806
Pembina .....	843	779	686	182	143	65	.....	101	330	1,183	657	949	6,398
Taber .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	68	.....	.....	68
Total .....	13,081	6,326	7,700	1,983	1,125	709	1,040	1,820	7,783	17,920	11,546	8,331	79,364

## SLACK COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Carbon .....	1,880	710	267	.....	.....	.....	70	.....	37	111	155	82	2,812
Drumheller .....	1,814	279	540	92	78	.....	.....	400	1,053	5,570	5,048	3,492	17,366
Lethbridge .....	1,674	.....	.....	.....	51	.....	.....	.....	.....	604	.....	838	3,116
Pembina .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51
Total .....	3,868	989	807	92	129	.....	70	400	1,090	6,285	5,203	4,412	23,345

Amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Manitoba:

## LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	6,366	4,095	1,115	160	.....	154	1,443	3,617	3,766	6,176	3,694	5,217	35,803
Prairie Creek .....	254	215	77	.....	.....	.....	.....	.....	98	344	232	302	1,522
Saunders .....	2,156	731	104	.....	40	256	335	875	1,563	1,605	900	712	9,277
Total .....	8,776	5,041	1,296	160	40	410	1,778	4,492	5,427	8,125	4,826	6,231	46,602

## MINE-RUN COAL

Coalspur .....	33	.....	.....	.....	.....	.....	.....	.....	30	.....	.....	63
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	30	.....	.....	30
Saunders .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	.....	33
Total .....	33	.....	.....	.....	.....	.....	.....	.....	60	33	.....	126

## NUT COAL

Coalspur .....	1,724	737	32	.....	32	.....	395	628	1,332	1,508	628	1,095	8,111
Prairie Creek .....	31	.....	32	.....	.....	.....	.....	.....	112	404	.....	.....	63
Saunders .....	361	103	.....	.....	.....	.....	.....	32	.....	.....	199	136	1,347
Total .....	2,116	840	64	.....	32	.....	395	660	1,444	1,912	827	1,231	9,521

## SLACK COAL

Coalspur .....	3,513	1,653	361	.....	.....	61	129	807	1,821	3,160	2,048	2,456	16,009
Saunders .....	382	32	.....	.....	.....	.....	65	65	167	164	44	.....	919
Total .....	3,895	1,685	361	.....	.....	61	194	872	1,988	3,324	2,092	2,456	16,928

Amount of Bituminous Coal disposed of by areas during each month for consumption in Manitoba:

## LUMP COAL

Crow's Nest .....	49	149	81	323	163	.....	501	595	359	308	34	127	2,679
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## MINE-RUN COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	592	638	274	288	50	96	131	553	1,038	1,284	1,685	1,835	5
Crow's Nest .....	2,740	2,191	1,851	1,365	951	1,749	2,130	3,290	3,890	2,064	2,516	6,726	8,464
Mountain Park .....													32,463
Total .....	3,332	2,829	2,125	1,653	1,001	1,845	2,261	3,843	4,928	3,353	5,201	8,561	40,932

## SLACK COAL

Crow's Nest .....	3,689	2,086	2,643	553	130	49	608	612	1,659	3,975	6,962	9,542	32,518
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Amount of Domestic Coal disposed of by areas during each month for consumption in Ontario:

## LUMP COAL

Carbon .....	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	40	41	113
Castor .....	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	82
Drumheller .....	4,003	2,152	788	267	352	1,060	3,249	385	323	1,460	3,082	2,131	19,262
Edmonton .....	41	.....	.....	.....	.....	73	.....	.....	.....	.....	.....	.....	114
Lethbridge .....	183	65	33	.....	33	66	221	63	44	.....	158	.....	866
Pembina .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40	.....	.....	40
Total .....	4,291	2,217	821	267	385	1,199	3,470	448	367	1,500	3,280	2,172	20,417

## NUT COAL

Carbon .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Drumheller .....	401	297	99	262	95	33	169	97	215	74	69	.....	143
Lethbridge .....	205	77	32	.....	.....	.....	65	86	79	349	368	235	2,620
Pembina .....	39	33	32	31	.....	.....	31	32	33	44	46	.....	634
Total .....	645	407	163	293	95	33	265	215	327	499	516	267	3,725



Amount of Domestic Coal disposed of by areas during each month for consumption in United States:

LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Drumheller .....	486	103	102	33	.....	.....	.....	32	147	399	189	284	1,775
Lethbridge .....	418	121	33	62	.....	.....	33	272	68	373	286	431	2,097
Redcliff .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	33
Taber .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32	.....	.....	32
Total .....	904	224	135	95	.....	.....	33	304	215	804	475	748	3,937

NUT COAL

Carbon .....	35	.....	.....	.....	32	.....	.....	.....	.....	.....	.....	.....	35
Drumheller .....	1,600	620	336	32	.....	33	.....	.....	787	1,742	1,216	1,737	8,135
Lethbridge .....	2,829	515	422	256	175	399	231	618	1,191	2,723	1,867	1,142	12,368
Total .....	4,464	1,135	758	288	207	432	231	618	1,978	4,465	3,083	2,879	20,538

SLACK COAL

Drumheller .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	265	64	78	407
Lethbridge .....	.....	.....	.....	.....	.....	.....	.....	48	141	142	81	.....	412
Total .....	.....	.....	.....	.....	.....	.....	.....	48	141	407	145	78	819

Amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in United States:

LUMP COAL

Coalspur .....	81	.....	.....	.....	.....	.....	.....	.....	.....	30	.....	.....	111
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## MINE-RUN COAL

Pincher .....	32	.....	.....	.....	.....	.....	.....	.....	33	65
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## NUT COAL

Coalspur .....	.....	.....	.....	.....	.....	.....	.....	.....	33	33
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## SLACK COAL

Pincher .....	32	.....	.....	.....	.....	.....	.....	.....	.....	32
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Amount of Bituminous Coal disposed of by areas during each month for consumption in the United States:  
LUMP COAL

Crow's Nest .....	176	102	34	684	.....	730	145	31	272	274	243	80	2,771
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## MINE-RUN COAL

Crow's Nest .....	.....	68	.....	.....	.....	153	50	99	99	586	499	561	2,115
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## NUT COAL

Cascade .....	.....	.....	32	31	.....	.....	.....	.....	.....	.....	.....	.....	63
Crow's Nest .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29	76	105
Total .....	.....	.....	32	31	.....	.....	.....	.....	.....	.....	29	76	168

## SLACK COAL

Crow's Nest .....	2,984	1,649	943	656	801	443	608	519	1,377	869	1,186	1,667	13,702
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Amount of Domestic Coal used under Colliery Boilers by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Camrose .....	62	50	50	46	46	42	30	38	46	58	58	48	572
Carbon .....	375	277	315	61	185	60	50	30	186	275	275	245	2,328
Caston .....	86	76	.....	.....	.....	.....	.....	.....	.....	.....	35	32	128
Drumheller .....	3,250	2,797	2,193	738	757	642	675	1,371	2,043	2,850	2,603	2,617	22,536
Edmonton .....	1,189	686	434	431	431	328	289	373	571	716	764	869	7,339
Lethbridge .....	5,675	3,984	4,615	3,187	3,278	3,286	3,507	4,188	4,335	5,248	3,929	3,645	48,877
Rembina .....	1,150	936	1,047	874	959	752	694	836	904	1,078	834	920	10,984
Steerness .....	178	170	140	82	46	84	90	145	152	182	138	162	1,569
Taber .....	16	12	6	2	1	.....	.....	.....	.....	.....	.....	13	50
Torfield .....	150	150	150	350	350	350	350	350	150	150	150	150	2,800
Total .....	12,081	9,091	9,099	5,764	6,053	5,650	5,685	7,331	8,381	10,563	8,786	8,699	97,183

Amount of Sub-Bituminous Coal used under Colliery Boilers by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	2,058	2,192	1,863	1,063	1,029	1,477	1,572	2,030	2,056	2,483	2,433	2,242	22,498
Pekisko .....	7	9	10	2	.....	.....	.....	.....	.....	.....	.....	.....	28
Pincher .....	5	5	5	5	4	4	.....	2	4	.....	5	.....	49
Prairie Creek .....	250	120	16	.....	.....	.....	.....	.....	700	350	350	360	2,146
Saunders .....	826	493	208	110	138	363	471	590	692	800	510	368	5,569
Total .....	3,146	2,819	2,102	1,180	1,171	1,844	2,043	2,622	3,452	3,638	3,298	2,975	30,290

Amount of Bituminous Coal used under Colliery Boilers by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	1,425	1,722	1,641	1,194	1,390	1,310	1,416	1,382	1,414	1,518	1,379	1,614	17,405
Crow's Nest .....	3,916	3,608	3,727	3,036	2,845	2,671	2,615	2,397	2,490	2,909	2,988	3,503	36,705
Mountain Park .....	2,905	2,397	2,473	2,316	2,465	2,479	2,468	2,201	2,447	2,457	2,664	2,777	30,949
Nordegg .....	1,031	916	933	681	596	648	610	604	627	732	750	821	8,949
Total .....	9,277	8,643	8,774	7,227	7,296	7,108	7,109	6,584	6,978	7,616	7,781	8,715	93,108



## Amount of Domestic Coal used by Colliery Railroads by areas during each month:

Lethbridge .....	68	24	38	4	12	25	17	49	64	108	92	24	525
Pembina .....	54	30	35	25	20	10	.....	5	40	60	50	51	380
Redcliff .....	35	30	8	32	.....	34	.....	.....	.....	54	.....	70	263
Total .....	157	84	81	61	32	69	17	54	104	222	142	145	1,168

## Amount of Sub-Bituminous Coal used by Colliery Railroads by areas during each month:

Coalspur .....	570	570	434	310	50	345	718	430	500	530	575	610	5,642
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## Amount of Bituminous Coal used by Colliery Railroads by areas during each month:

Cascade .....	38	36	36	33	38	42	48	42	45	33	33	42	466
Crow's Nest .....	53	38	32	64	42	37	50	35	40	49	47	57	544
Total .....	91	74	68	97	80	79	98	77	85	82	80	99	1,010

## Amount of Bituminous Coal used making Briquettes:

Cascade .....	3,679	2,476	1,566	327	714	1,468	790	1,540	1,918	3,323	2,012	2,459	22,272
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## Amount of Domestic Coal Put to Stock by areas during each month:

Castor .....	407	210	70	.....	.....	.....	103	123	.....	10	27	.....	37
Carbon .....	326	275	130	714	72	265	214	970	370	665	220	202	1,705
Drumheller .....	200	.....	.....	.....	.....	.....	.....	.....	600	342	595	5,222	5,222
Edmonton .....	1,390	378	956	383	429	72	660	421	315	793	2,694	1,777	200
Lethbridge .....	200	580	235	375	265	355	120	270	460	895	695	580	10,268
Pembina .....	.....	11	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,030
Taber .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
Total .....	2,517	1,454	1,399	1,472	766	692	1,157	1,784	1,745	2,363	3,978	3,154	22,481

Amount of Sub-Bituminous Coal Put to Stock by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	15	150	11	50	.....	.....	.....	.....	90	100	165	255	810
Pekisko .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	5	36
Saunders .....	.....	.....	.....	.....	.....	.....	57	.....	.....	.....	.....	58	115
Total .....	15	150	11	50	.....	.....	57	.....	90	100	170	318	961

Amount of Bituminous Coal Put to Stock by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	30	520	785	185	380	102	185	91	60	180	565	215	3,298
Crow's Nest .....	646	459	.....	2,561	.....	.....	2,061	113	868	248	1,145	2,112	10,213
Nordegg .....	.....	1,067	174	.....	.....	1,118	99	.....	804	44	73	31	3,410
Total .....	676	2,046	959	2,746	380	1,220	2,345	204	1,732	472	1,783	2,358	16,921

Amount of Domestic Coal Put to Waste by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	14	10	6	.....	.....	.....	.....	.....	.....	20	25	41	116
Big Valley .....	4	6	4	.....	.....	.....	.....	.....	.....	93	112	34	261
Camrose .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	435	273	89	799
Carbon .....	260	113	97	15	30	21	18	8	398	1,836	637	247	3,680
Castor .....	176	73	76	28	38	27	19	40	109	198	185	150	1,119
Champion .....	15	6	5	3	6	4	4	3	32	88	68	58	292
Drumheller .....	879	410	4	5	45	.....	5	85	2,050	2,420	520	8	6,431
Edmonton .....	213	118	25	16	8	46	200	4	53	211	187	185	1,267
Lethbridge .....	2,205	667	904	115	226	480	498	984	1,336	2,261	1,348	704	11,728
Milk River .....	.....	16	14	3	6	7	7	6	29	88	24	21	221
Pakowki .....	36	21	11	.....	.....	.....	.....	.....	.....	59	101	29	257
Pembina .....	257	174	157	91	117	84	35	88	116	332	419	273	2,143
Sheerness .....	90	44	24	12	61	14	11	13	37	218	174	74	772
Taber .....	133	61	52	23	19	17	24	34	129	416	291	744	1,943
Tofield .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40	.....	40
Total .....	4,282	1,719	1,380	311	557	700	821	1,265	4,298	8,675	4,404	2,657	31,069

Amount of Sub-Bituminous Coal Put to Waste by areas during each month:

Coalspur .....	4,131	2,571	2,001	3,159	4,341	4,680	4,421	4,486	4,272	4,840	4,469	4,443	47,814
Pekisko .....	80	.....	125	40	40	120	185	70	35	40	82	65	882
Total .....	4,211	2,571	2,126	3,199	4,381	4,800	4,606	4,556	4,307	4,880	4,551	4,508	48,696

Amount of Bituminous Coal Put to Waste by areas during each month:

Cascade .....	24	20	16	12	8	6	8	2	10	10	10	9	135
Crow's Nest .....	1,014	827	1,515	1,645	1,860	1,874	2,261	1,655	2,054	991	991	1,688	18,375
Nordegg .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	957	.....	957
Total .....	1,038	847	1,531	1,657	1,868	1,880	2,269	1,657	2,064	1,001	1,958	1,697	19,467

Amount of Domestic, Sub-Bituminous, and Bituminous Coal Lifted from Stock by areas during each month:

## DOMESTIC COAL

Camrose .....	.....	402	210	70	.....	60	.....	70	123	195	.....	.....	130
Carbon .....	286	.....	.....	490	.....	.....	.....	103	.....	.....	.....	220	1,609
Castor .....	810	320	915	153	344	60	260	228	986	560	10	12	22
Drumheller .....	.....	.....	74	.....	82	.....	.....	.....	.....	.....	605	290	5,868
Edmonton .....	.....	.....	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	309
Halcourt .....	2,087	1,192	2,867	4,294	3,122	1,747	1,272	863	421	315	.....	3,049	16
Lethbridge .....	238	200	380	235	375	265	355	120	270	460	895	695	22,169
Pembina .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	111	4,688
Taber .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	111
Total .....	3,421	2,114	4,662	5,242	3,923	2,132	1,887	1,384	1,800	1,530	2,450	4,377	34,922

## SUB-BITUMINOUS COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....			150	139	80			29		95	40	25	558
Pekisko .....			15										15
Prairie Creek .....	90								700	350	350		1,840
Saunders .....	226							57					283
Total .....	316		165	139	80			86	700	445	390	375	2,696

## BITUMINOUS COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	475	30	520	785	185	380	102	185	91	60	180	565	3,558
Crow's Nest .....	297		2,058		1,091	788		1,235	556	101	1,188		7,314
Nordeg .....			1,067	174		29	1,417	216		804		956	4,663
Total .....	772	30	3,645	959	1,276	1,197	1,519	1,636	647	965	1,368	1,521	15,535

## Amount of DOMESTIC COAL Lifted from Waste:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Drumheller .....													330
Taber .....		53	11				330						64
Total .....		53	11				330						394

## OUTPUT AND NUMBER OF MINES PRODUCING:

Kind of Coal	Under 1,000 tons		From 1,000 to 5,000		From 5,000 to 10,000		From 10,000 to 50,000		From 50,000 to 100,000		From 100,000 to 200,000		From 200,000 to 300,000		From 300,000 to 400,000		Over 400,000		Total	
	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output		
Domestic .....	154	50,216	48	98,791	11	81,234	24	591,677	151	1,126,280	5	661,597	1	264,295	...	...	...	258	2,874,090	
Sub-Bituminous .....	14	5,133	2	4,137	...	...	6	155,683	2	134,234	2	304,144	...	...	...	...	...	26	603,331	
Bituminous .....	3	1,796	2	6,136	...	...	...	1	23,920	1	61,862	3	513,027	61	270,196	...	1	401,553	17	2,278,490
Total.....	171	57,145	52	109,064	11	81,234	31	771,280	181	1,322,376	10	1,478,768	7	1,534,491	...	...	1	401,553	301	5,755,911

## Men employed in the DOMESTIC, SUB-BITUMINOUS and BITUMINOUS COAL Fields as at December 31, 1930:

Kind of Coal	BELOW GROUND										ABOVE GROUND										Total Above and Below Ground			
	Officials	Hand Cutters	Machine Cutters & Helpers	Machine Loaders	Horse H'ge Employees	Mechanical H'ge Employees	Ventilation Employees	Roadmakers	Timbermen	Pumpmen	Other Employees	Total Underground	Administration	Foremen and Clerks	Screenmen and Loaders	Enginemmen	Firemen	Machinists	Carpenters and Masons	Other Mechanics		Surface Haulage	All other Employees	Total Above Ground
Domestic .....	252	671	487	2,785	623	159	39	153	172	25	172	5,538	85	106	534	89	40	37	43	51	33	284	1,302	6,840
Sub-Bituminous .....	28	228	37	174	33	25	4	8	15	1	25	578	17	23	89	34	32	10	8	17	7	148	385	963
Bituminous .....	134	1,429	....	....	158	173	49	81	127	24	334	2,509	22	95	233	55	54	36	27	44	40	281	887	3,396
Total.....	414	2,328	524	2,959	814	357	92	242	314	50	531	8,625	124	224	856	178	126	83	78	112	80	713	2,574	11,199

## THE MINES BRANCH

Number of men employed in the DOMESTIC FIELD as at December 31, 1930:

Area	BELOW GROUND											Total Underground	ABOVE GROUND								Total Above and Below Ground				
	Officials	Hand Cutters	Machine Cutters & Helpers	Machine Loaders	Horse H'ge Employees	Mechanical H'ge Emps	Ventilation Employees	Roadmakers	Timbermen	Pumpmen	Other Employees		Administration	Foremen and Clerks	Screenmen and Loaders	Enginemen	Firemen	Machinists	Carpenters and Masons	Other Mechanics		Surface Haulage	All Other Employees	Total Above Ground	
Ardley	3	18	2	2	...	...	...	...	...	...	...	21	1	...	1	...	...	...	...	...	...	...	1	22	
Big Valley	3	7	2	2	...	...	...	...	...	...	...	14	...	...	...	...	...	...	...	...	...	...	2	16	
Brooks	1	8	...	...	...	...	...	...	...	...	...	9	1	...	...	...	...	...	...	...	...	...	3	12	
Camrose	2	47	...	...	7	...	...	...	...	...	...	60	5	2	6	2	...	...	...	...	...	...	16	76	
Carbon	11	17	11	108	...	28	3	1	1	1	22	205	4	3	13	3	1	1	...	...	1	16	43		
Castor	20	87	1	1	1	3	...	...	...	...	...	113	8	1	1	2	...	...	...	...	...	...	15	128	
Champion	5	27	...	...	...	...	...	...	...	...	...	32	1	...	...	1	...	...	...	...	...	...	3	35	
Drumheller	105	14	246	1,784	379	55	17	107	47	6	99	2,859	30	53	273	30	17	16	24	28	10	108	589	3,448	
Edmonton	27	244	41	272	48	8	2	24	36	7	37	746	14	15	43	17	5	2	10	3	4	32	145	891	
Gleichen	2	6	4	...	...	...	...	...	...	...	...	12	1	...	...	...	...	...	...	...	...	...	2	14	
Halcourt	7	...	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	7	
Lethbridge	48	80	174	537	150	78	18	13	82	11	12	1,203	6	22	120	23	16	16	9	13	5	98	328	1,531	
Magrath	1	4	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	1	6	
Milk River	1	9	...	...	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	10	
Pakowki	2	8	...	...	...	...	...	...	...	...	...	10	1	...	...	...	...	...	...	...	...	...	1	11	
Pembina	5	23	7	50	3	12	...	5	4	...	...	109	6	5	18	6	1	2	...	3	...	14	55	164	
Redcliff	2	...	5	26	6	...	1	2	...	...	...	42	...	...	6	...	...	...	...	...	2	8	8	50	
Rochester	2	3	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	1	2	3	7
Sheerness	6	27	...	...	1	...	...	...	...	...	...	34	3	1	...	1	...	...	...	...	2	9	16	50	
Taber	6	18	2	5	...	...	...	...	...	...	...	31	...	4	45	1	...	...	...	...	2	...	11	42	
Tofield	1	8	...	...	...	...	...	...	...	...	...	9	2	...	...	2	...	...	...	...	...	3	59	68	
Wetaskiwin	...	3	...	...	...	...	...	...	...	...	...	3	1	...	...	...	...	...	...	...	...	...	1	4	
Total.....	252	671	487	2,785	623	159	39	153	172	25	172	5,538	85	106	534	89	40	37	43	51	33	284	1,302	6,840	

Number of men employed in the SUB-BITUMINOUS FIELD as at December 31, 1930:

Coalspur .....	17	214	15	59	26	6	2	2	7	1	24	373	13	17	64	25	22	9	5	11	5	145	316	689
Pekisko .....	1	6	...	...	...	...	...	...	...	...	...	7	...	...	...	1	...	...	...	...	...	...	2	8
Pincher .....	1	5	...	...	...	...	...	...	...	...	...	6	1	...	...	...	...	...	1	...	...	...	1	8
Prairie Creek .....	3	3	4	32	2	6	1	4	4	...	...	59	1	3	11	4	3	...	1	2	...	...	25	84
Saunders .....	6	...	18	83	5	13	1	2	4	...	1	133	2	3	14	4	7	1	2	3	2	3	41	174
Total.....	28	228	37	174	33	25	4	8	15	1	25	578	17	23	89	34	32	10	8	17	7	148	385	963

## BITUMINOUS FIELD

Cascade .....	18	132	...	...	12	40	3	8	2	2	24	241	1	11	34	7	10	4	1	4	...	16	88	329
Crow's Nest .....	85	830	...	...	65	100	27	33	83	14	245	1,482	16	53	136	23	21	21	14	30	36	148	478	1,960
Mountain Park .....	21	318	...	...	52	19	18	10	36	8	65	547	3	18	68	22	16	9	9	3	2	77	227	1,774
Nordegg .....	10	149	...	...	29	14	1	30	6	...	...	239	2	13	13	3	7	2	3	7	2	40	94	333
Total.....	134	1,429	...	...	158	173	49	81	127	24	334	2,509	22	95	233	55	54	36	27	44	40	281	887	3,396

Men employed above and below ground in the DOMESTIC FIELD by areas each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Average
Ardley .....	25	23	11	.....	.....	.....	1	.....	11	18	18	22	16
Big Valley .....	21	13	8	.....	.....	.....	4	.....	10	16	16	16	10
Brooks .....	13	13	14	8	6	.....	11	10	16	25	15	12	13
Camrose .....	88	64	42	31	28	28	29	31	51	76	77	76	51
Carbon .....	262	228	201	111	57	56	106	104	182	247	256	248	189
Castor .....	104	87	53	28	17	16	18	15	38	73	127	128	59
Champion .....	28	39	25	13	16	18	14	16	2,517	40	37	35	26
Dunnellier .....	3,073	2,641	2,084	926	839	762	1,034	1,631	3,337	3,820	3,820	3,448	2,163
Edmonton .....	1,004	672	588	510	387	396	290	414	632	822	894	891	620
Gleichen .....	8	7	5	8	5	9	5	14	8	13	14	11	8
Harcourt .....	3	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Lethbridge .....	1,526	1,396	1,311	1,088	1,115	1,167	1,167	1,202	1,286	1,504	1,534	1,531	1,319
Magrath .....	2	3	1	1	.....	.....	2	.....	4	4	6	6	8
Milk River .....	4	4	4	4	3	3	3	3	4	11	11	10	5
Pakowki .....	6	3	4	2	2	3	2	2	2	10	12	11	5
Pembina .....	158	147	148	146	142	138	122	147	146	158	161	164	148
Redcliff .....	50	44	38	38	22	36	33	32	36	49	45	50	39
Sheerness .....	49	43	31	25	24	24	25	24	31	68	59	50	38
Taber .....	34	29	30	25	16	12	14	16	31	54	53	42	29
Tofield .....	101	81	89	93	107	106	108	95	56	73	73	68	87
Wetaskiwin .....	2	2	2	.....	.....	.....	.....	.....	.....	.....	2	4	2
Whitecourt .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Rochester .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
Total .....	6,526	5,540	4,890	3,063	2,794	2,722	2,979	2,760	5,079	6,649	7,034	6,840	4,822

Number of men employed above and below ground in the SUB-BITUMINOUS COAL Field by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Average
Coalspur .....	575	554	418	322	287	333	420	539	641	711	710	689	520
Pekisko .....	19	22	27	23	11	10	4	4	5	6	5	8	12
Pincher .....	11	14	5	5	5	5	10	6	7	13	11	8	8
Prairie Creek .....	63	32	33	.....	22	22	24	50	69	93	92	84	53
Saunders .....	210	111	83	49	41	102	133	153	188	183	177	174	133
Total .....	878	733	566	399	366	522	591	743	910	1,006	995	963	726



Number of men employed above and below ground in the BITUMINOUS COAL Field by areas during each month:

	377	340	333	327	320	322	321	318	330	327	324	329	327
Cascade .....	1,892	1,881	1,876	1,862	1,896	1,905	1,904	1,905	1,931	1,929	1,937	1,960	1,906
Gro's Nest .....	878	872	851	758	749	825	838	816	800	717	719	774	798
Mountain Park .....	385	357	306	295	289	287	298	309	313	319	330	233	310
Nordegz .....													
Total .....	8,492	8,450	8,866	3,242	3,254	3,339	3,361	3,348	3,374	3,292	3,310	3,296	8,341

Number of men employed above and below ground in the DOMESTIC, SUB-BITUMINOUS and BITUMINOUS Fields each month:

	6,526	5,540	4,690	3,063	2,794	2,722	2,979	3,760	5,079	6,849	7,034	6,840	4,322
Domestic .....	878	733	566	399	366	522	591	743	910	1,006	995	963	726
Sub-Bituminous .....	3,492	3,450	8,366	3,242	3,254	3,339	3,361	3,348	3,374	3,292	8,310	3,296	3,841
Bituminous .....													
Total .....	10,896	9,723	8,622	6,704	6,414	6,533	6,931	7,851	9,863	10,947	11,339	11,099	8,889

## PER CAPITA PRODUCTION OF MINES IN THE PROVINCE.

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1906	1,385,000	2,800	494	2,000	692
1907	1,834,745	3,600	509	2,700	679
1908	1,845,000	3,780	488	2,681	688
1909	2,174,329	5,207	417	3,893	566
1910	3,086,757	5,818	504	4,090	742
1911	1,694,564	6,689	253	4,517	375
1912	3,446,349	6,661	517	4,861	708
1913	4,806,346	8,068	533	5,837	737
1914	3,821,739	8,170	467	6,052	631
1915	3,434,891	6,445	532	4,493	764
1916	4,648,604	7,570	614	5,536	839
1917	4,863,414	8,310	595	6,047	804
1918	6,148,620	8,818	697	6,141	1,001
1919	5,022,412	7,573	663	5,150	958
1920	6,908,923	9,688	712	6,551	1,055
1921	5,937,195	10,018	592	7,203	824
1922	5,976,432	8,757	688	6,154	971
1923	6,866,923	9,927	687	7,249	893
1924	5,203,713	7,317	711	5,299	982
1925	5,883,394	8,774	670	6,498	834
1926	6,508,908	8,763	743	6,569	991
1927	6,936,780	9,016	768	6,681	970
1928	7,334,179	9,496	772	6,625	1,107
1929	7,147,250	9,572	747	7,115	1,004
1930	5,755,911	8,889	648	6,607	871

## PER CAPITA PRODUCTION OF MINES IN THE DOMESTIC COAL FIELD.

1910	878,011	2,307	380	1,676	524
1911	964,700	3,548	271	2,488	391
1912	1,341,389	2,980	450	2,283	587
1913	1,763,225	4,017	438	2,929	601
1914	1,697,401	4,219	402	3,190	532
1915	1,682,922	3,181	529	2,210	761
1916	2,172,801	4,132	525	3,137	692
1917	2,537,829	4,701	539	3,489	727
1918	3,035,061	4,896	619	3,420	887
1919	2,611,009	4,226	617	2,953	884
1920	3,359,308	5,173	647	3,723	902
1921	2,943,141	5,601	525	4,256	691
1922	3,086,669	4,981	620	3,752	823
1923	3,161,741	4,969	636	3,765	812
1924	3,096,660	4,543	681	3,447	898
1925	3,156,359	4,874	647	3,750	808
1926	3,160,029	4,798	658	3,714	816
1927	3,857,171	4,663	720	3,603	891
1928	3,378,200	4,810	702	3,700	873
1929	3,885,749	4,944	685	3,813	880
1930	2,874,090	4,822	596	3,756	765

## PER CAPITA PRODUCTION OF MINES IN THE SUB-BITUMINOUS COAL FIELD.

1922	Stp. Pit	367,514	217	1,692	.....	.....
	B. Grd.	179,500	403	445	277	648
1923	Stp. Pit	288,467	190	1,513	.....	.....
	B. Grd.	174,994	354	494	260	673
1924	Stp. Pit	369,724	211	1,752	.....	.....
	B. Grd.	222,222	393	565	278	799
1925	Stp. Pit	335,993	162	2,074	.....	.....
	B. Grd.	245,842	461	533	326	754
1926	Stp. Pit	258,964	147	1,761	.....	.....
	B. Grd.	231,407	443	545	305	758
1927	Stp. Pit	304,584	193	1,583	.....	.....
	B. Grd.	290,606	478	608	321	905
1928	Stp. Pit	394,682	179	2,205	.....	.....
	B. Grd.	345,810	645	536	457	756
1929	Stp. Pit	319,764	163	1,962	.....	.....
	B. Grd.	348,344	585	595	402	866
1930	Stp. Pit	304,144	157	1,937	.....	.....
	B. Grd.	299,187	569	526	390	767

## PER CAPITA PRODUCTION OF MINES IN THE BITUMINOUS COAL FIELD.

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1910	1,896,961	2,981	636	2,076	914
1911	649,745	2,545	246	1,820	357
1912	1,926,371	3,243	594	2,353	313
1913	2,374,401	3,562	656	2,645	397
1914	1,953,357	3,529	553	2,632	742
1915	1,626,237	2,921	557	2,103	773
1916	2,335,259	3,142	743	2,258	1,034
1917	2,206,868	3,335	661	2,429	909
1918	2,982,334	3,535	820	2,597	1,109
1919	2,325,787	3,118	745	2,100	1,108
1920	3,410,021	4,228	809	2,711	1,202
1921	2,897,380	4,183	701	2,820	1,026
1922	2,214,273	3,034	729	2,084	1,062
1923	3,241,514	4,345	746	3,215	1,008
1924	1,515,107	2,171	698	1,574	966
1925	2,145,200	3,277	654	2,422	885
1926	2,858,508	3,375	847	2,550	1,121
1927	2,984,419	3,682	810	2,757	1,082
1928	3,215,481	3,852	832	2,468	1,302
1929	3,093,393	3,880	797	2,898	1,077
1930	2,278,490	3,341	682	2,461	926

## PER CAPITA PRODUCTION OF MINES IN THE ANTHRACITE COAL FIELD.

1910	261,785	530	493	338	774
1911	80,119	500	150	209	383
1912	178,589	438	407	225	793
1913	158,720	489	345	263	641
1914	170,971	422	405	230	743
1915	125,732	343	356	180	698
1916	140,544	295	474	141	996
1917	118,717	284	418	129	920
1918	181,225	285	458	124	1,058
1919	85,616	229	374	95	901
1920	130,594	287	455	117	1,116
1921	96,574	284	341	127	761
1922	40,417	112	351	41	936
1923	107	69	1	9	12

The table showing the number of men employed in the Anthracite Coal Field includes employees at the briquetting plant. There has been no anthracite coal produced since 1923.

During the year 1909 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1911 a strike, affecting all the larger mines in the Province, lasted for a period of eight months.

During the year 1917 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1919 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1922 a strike, affecting all the larger mines in the Province, lasted for a period of five months.

During the year 1924 a strike, affecting all the larger mines in the Province, lasted for a period of six and a half months.

NOTE: In calculating the total per capita production for men employed underground, the tonnage mined from stripping pits was deducted and only the tonnage produced from mines was used.

## Per Capita Production of Mines by areas:

## DOMESTIC COAL FIELD

Areas	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
Ardley .....	2,852	16	181	14	204
Big Valley .....	4,451	10	445	9	494
Brooks .....	7,992	13	615	10	799
Camrose .....	35,443	51	695	39	909
Carbon .....	91,027	169	539	139	655
Castor .....	24,759	59	429	51	485
Champion .....	12,441	26	478	22	565
Drumheller .....	1,433,350	2,163	662	1,740	824
Edmonton .....	417,310	620	673	503	830
Gleichen .....	3,055	8	382	6	509
Halcourt .....	436	3	145	3	145
Lethbridge .....	545,227	1,319	413	1,015	537
Magrath .....	969	3	323	2	484
Milk River .....	1,359	5	272	5	272
Pakowki .....	2,092	5	418	5	418
Pembina .....	119,983	148	810	97	1,237
Redcliff .....	25,180	39	645	32	787
Rochester .....	140	7	20	4	35
Sheerness .....	21,674	38	570	27	803
Taber .....	12,303	29	424	25	492
Tofield, Stripping .....	108,287	80	1,353	....	1,353
Tofield, Underground .....	3,645	7	521	4	911
Wetaskiwin .....	105	2	52	2	52
Whitecourt .....	12	2	6	2	6
Total.....	2,874,090	4,822	596	3,756	765

## SUB-BITUMINOUS COAL FIELD

Coalspur, Stripping .....	304,144	157	1,937	.....	1,937
Coalspur, Underground .....	211,152	363	581	249	832
Pekisko .....	4,225	12	352	9	469
Pincher .....	2,318	8	289	6	386
Prairie Creek .....	15,425	53	291	29	532
Saunders .....	66,067	133	482	97	681
Total.....	603,331	726	831	390	767

## BITUMINOUS COAL FIELD

Cascade .....	212,953	327	651	243	876
Crow's Nest, East .....	486,740	872	558	660	737
Crow's Nest, West .....	647,174	1,034	626	778	832
Mountain Park .....	726,777	798	911	555	1,309
Nordegg .....	204,846	310	661	225	910
Total.....	2,278,490	3,341	682	2,461	926

## SUMMARY

Domestic .....	2,874,090	4,822	596	3,756	765
Sub-Bituminous .....	603,331	726	831	390	767
Bituminous .....	2,278,490	3,341	682	2,461	926
Total.....	5,755,911	8,889	648	6,607	871

Number of days on which Coal was drawn in the DOMESTIC FIELD by areas each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	16.70	8.91	5.16	.....	.....	.....	.....	.....	15.00	13.00	22.16	17.77	96.80
Big Valley .....	20.83	12.33	9.80	20.00	7.25	6.50	5.00	6.66	15.00	19.40	19.80	13.33	157.90
Brooks .....	25.00	18.50	20.00	25.00	27.60	27.00	28.00	26.00	22.50	21.00	25.00	22.50	293.50
Camrose .....	24.00	11.80	16.66	17.00	14.33	14.00	13.66	19.33	11.00	17.60	21.60	16.33	200.98
Carbon .....	17.50	10.28	10.70	7.88	10.13	8.40	8.70	11.27	16.38	19.53	21.00	16.33	159.27
Castor .....	15.91	9.65	9.64	6.38	8.88	9.00	6.20	8.37	8.53	18.08	20.00	16.58	137.22
Champion .....	21.12	16.12	16.37	14.33	17.33	11.42	12.00	13.43	21.43	23.58	23.00	19.14	210.97
Drumheller .....	20.50	10.10	15.40	7.60	13.20	10.20	9.52	15.93	15.93	24.00	14.03	10.65	159.83
Edmonton .....	22.00	15.40	16.40	12.05	13.40	13.20	16.84	15.00	18.53	21.54	21.00	18.96	203.73
Gleichen .....	26.00	19.00	16.00	23.00	14.00	25.00	26.00	13.50	22.00	16.33	18.33	20.00	241.16
Halbert .....	17.00	.....	10.00	9.00	2.00	3.00	2.00	6.00	12.00	12.00	16.00	16.00	98.00
Lethbridge .....	16.40	10.20	12.40	9.00	12.60	11.70	11.44	14.20	17.75	22.77	15.06	14.41	167.33
Magnith .....	23.50	14.00	12.00	3.00	4.00	.....	10.00	14.00	18.00	20.00	15.50	11.00	145.00
Milk River .....	13.00	13.00	15.00	5.20	7.00	12.50	12.00	7.50	14.00	24.33	11.66	10.33	145.52
Pakowki .....	13.00	9.66	10.20	8.00	7.00	5.50	3.00	4.50	11.50	15.70	19.00	13.43	122.49
Pemina .....	11.30	7.66	14.50	14.50	12.50	14.50	10.00	11.50	10.50	19.50	12.50	13.33	152.29
Redcliff .....	19.50	13.00	16.00	18.00	17.00	15.00	10.00	15.50	16.50	25.00	21.00	21.00	201.50
Sheerness .....	17.10	13.70	15.40	9.00	11.50	11.10	10.69	11.71	16.75	24.71	20.64	18.00	180.30
Tabor .....	16.80	14.00	15.00	6.30	8.00	8.00	6.85	9.14	16.55	20.88	15.61	13.58	150.71
Tofield .....	14.00	11.50	10.50	12.50	26.00	24.00	25.00	15.00	18.00	25.00	21.66	20.66	223.32
Wetaskiwin .....	15.00	4.00	1.00	.....	.....	.....	.....	.....	.....	.....	15.00	5.00	40.00
Whitcourt .....	.....	.....	.....	.....	.....	10.00	.....	.....	.....	.....	.....	.....	10.00
Whitecourt .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.00
Total Average.....	18.34	12.15	12.27	11.88	12.26	12.55	11.48	12.37	16.30	20.58	13.81	15.95	168.94

Number of days on which Coal was drawn in the SUB-BITUMINOUS COAL Field by areas each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Goakpur .....	24.30	14.57	10.43	9.00	18.20	16.66	15.50	21.00	20.95	22.25	16.50	18.12	207.48
Pekisko .....	21.00	17.20	19.50	20.70	19.00	13.50	9.00	14.00	20.00	17.00	18.66	14.25	203.81
Pincher .....	17.30	18.00	9.50	9.50	7.00	5.00	6.50	9.50	19.00	17.66	17.66	23.00	161.62
Prairie Creek .....	19.00	15.00	4.00	.....	.....	.....	.....	26.00	26.00	22.00	20.00	9.00	141.00
Saunders .....	22.50	10.00	5.00	5.00	8.00	9.00	14.50	18.00	17.50	18.00	8.50	8.50	144.50
Total.....	20.85	14.95	9.68	11.05	13.05	11.04	10.37	17.70	20.69	19.78	16.26	14.57	179.99

## THE MINES BRANCH

Number of days on which Coal was drawn in the BITUMINOUS COAL Field by areas each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	18.00	18.00	19.00	17.50	20.50	18.50	20.50	20.00	20.50	18.50	17.50	20.00	228.50
Crow's Nest .....	18.60	15.90	16.70	14.70	18.80	16.40	13.40	15.11	15.90	14.00	13.63	14.80	184.84
Mountain Park .....	20.00	13.70	12.30	12.00	18.00	20.30	18.30	17.33	19.33	17.33	17.00	19.33	204.92
Nordegg .....	17.00	13.00	10.00	10.00	11.00	16.00	14.00	14.00	15.00	13.00	14.00	14.00	161.00
Total.....	18.40	11.40	14.50	13.40	16.50	17.80	16.50	16.61	17.68	15.70	15.53	16.91	190.93

Number of days on which coal was drawn each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Domestic .....	18.34	12.15	12.27	11.88	11.26	12.55	11.48	12.37	16.30	20.58	13.81	15.95	168.94
Sub-Bituminous .....	20.85	14.95	9.68	11.05	13.05	11.04	10.37	17.70	20.69	19.78	16.26	14.57	179.99
Bituminous .....	18.40	11.40	14.50	13.40	16.50	17.80	16.50	16.61	17.68	15.70	15.53	16.91	190.93
Total.....	19.19	12.83	12.15	12.11	13.60	13.79	12.78	15.56	18.22	18.68	15.20	15.81	179.92

Total number of shifts worked above and below ground by areas during each month for the six months ending June 30, 1930:

## DOMESTIC FIELD

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Ardley .....	122	218	43	133	64	.....	.....	.....	.....	.....	.....	.....	165	405
Big Valley .....	55	275	16	138	4	85	17	28	2	59	38	.....	34	623
Brooks .....	77	206	53	189	38	209	36	112	54	142	54	.....	312	1,071
Carrose .....	335	1,123	156	400	126	409	128	328	137	360	87	.....	969	2,905
Carbon .....	731	3,569	360	1,488	355	2,270	226	735	179	327	126	.....	1,977	8,764
Castor .....	225	1,481	114	697	94	408	49	106	46	82	44	.....	612	2,863
Champion .....	78	428	74	288	64	277	60	117	69	161	53	.....	398	1,390
Drumheller .....	14,119	52,555	6,834	23,923	6,111	19,732	5,905	2,984	3,844	8,118	3,592	.....	40,405	114,248
Edmonton .....	3,330	18,252	2,557	11,188	2,035	8,754	1,209	4,206	1,259	4,840	1,274	.....	12,164	51,839
Gleichen .....	49	176	24	119	26	68	25	53	23	53	25	.....	112	481
Halcourt .....	3	42	.....	.....	2	5	3	5	3	3	3	.....	14	52
Lethbridge .....	7,926	24,634	5,891	15,057	6,362	14,428	3,817	4,844	4,457	6,941	4,820	.....	33,073	76,161
Magrath .....	25	94	18	28	12	74	.....	3	.....	56	50	.....	43	243
Milk River .....	.....	25	.....	45	.....	.....	.....	11	.....	24	.....	.....	.....	206
Pakowki .....	.....	60	.....	29	.....	45	.....	16	.....	14	.....	.....	.....	175
Pembina .....	1,050	1,964	839	1,461	1,037	1,467	919	1,462	889	1,409	956	.....	5,690	9,137
Redcliff .....	169	817	90	422	73	343	141	547	68	306	139	.....	680	3,025
Sheerness .....	156	515	112	357	74	363	138	138	129	129	186	.....	677	1,602
Taber .....	84	502	61	361	57	314	20	157	27	126	27	.....	276	1,544
Tofield .....	1,346	84	1,192	51	1,351	.....	2,101	2	2,782	.....	2,544	.....	11,316	146
Wetaskiwin .....	.....	30	.....	8	.....	2	.....	.....	.....	.....	.....	.....	40	.....
Whitecourt .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	.....	.....	10
Total .....	30,380	107,150	18,474	56,422	17,809	49,388	14,699	15,851	13,945	23,147	13,730	26,182	109,037	278,140

Number of shifts worked above and below ground in the DOMESTIC FIELD by areas during each month for the six months ending December 31, 1930:

Areas	July		August		September		October		November		December		Total for six months		Total for year 1930	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Ardley .....	4	.....	.....	.....	66	132	74	153	76	295	59	336	275	916	440	1,321
Big Valley .....	15	.....	3	.....	5	163	35	242	45	257	30	211	122	932	216	1,555
Brooks .....	20	136	73	190	71	155	107	506	76	214	72	285	428	1,386	710	2,457
Camrose .....	103	184	112	335	273	870	359	1,305	325	958	210	768	1,382	4,420	2,851	7,325
Carbon .....	242	595	184	678	621	2,182	1,061	5,888	1,360	4,220	554	1,673	4,022	15,036	5,999	23,800
Castor .....	26	82	28	73	80	240	269	1,024	847	1,932	320	1,712	1,070	5,093	1,682	7,956
Champion .....	39	131	40	179	79	479	91	798	84	743	76	518	409	2,838	807	4,228
Drumheller .....	4,162	8,755	6,432	18,165	9,813	36,879	15,095	63,966	10,763	39,723	8,737	28,800	55,062	196,268	95,467	311,016
Edmonton .....	1,220	3,864	1,758	5,212	3,017	8,864	2,676	12,249	2,964	11,367	2,859	12,081	18,064	53,837	30,228	105,576
Gleichen .....	40	58	50	41	44	113	34	204	45	232	51	175	244	853	416	1,344
Hatcourt .....	2	.....	4	.....	3	30	6	26	12	13	5	78	31	199	15	251
Lethbridge .....	5,153	10,612	5,940	14,323	6,567	18,405	9,047	29,560	6,672	18,720	5,415	12,302	33,794	103,325	71,867	180,586
Marath .....	19	.....	48	.....	42	53	27	69	30	130	29	82	130	314	103	387
Milk River .....	27	.....	24	.....	14	195	43	218	50	175	15	102	127	251	127	357
Pakowki .....	6	.....	.....	.....	.....	.....	.....	.....	43	233	32	116	175	538	55	713
Pembina .....	811	1,186	882	1,656	779	1,625	1,245	2,364	979	1,320	1,047	1,736	5,743	10,107	11,433	19,244
Redcliff .....	64	284	105	368	118	431	174	1,031	171	823	163	819	797	3,761	1,477	6,786
Rochester .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60	80	60	80	60	80
Sheerness .....	76	159	64	200	131	251	538	863	359	801	241	543	1,429	2,817	21,06	4,419
Taber .....	14	111	19	144	45	294	159	751	219	625	167	374	623	2,299	899	3,343
Tofield .....	2,700	.....	2,375	.....	1,404	20	1,709	191	1,598	177	1,294	174	11,080	562	22,396	708
Wetaskiwin .....	.....	.....	.....	.....	.....	.....	.....	.....	30	.....	12	18	12	48	12	88
Whitcourt .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
Total .....	14,703	26,206	18,109	41,699	23,175	71,303	36,354	121,367	26,218	83,327	21,420	63,008	139,979	406,910	249,016	685,050



Total number of shifts worked above and below ground by areas during each month for the six months ending June 30, 1930:

SUB-BITUMINOUS FIELD

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Coalspur .....	7,702	9,062	6,268	4,643	4,794	1,697	2,698	1,026	2,741	2,463	4,097	3,052	28,300	21,943
Pekisko .....	77	242	104	279	134	366	101	268	31	165	12	121	459	1,441
Pincher .....	59	141	66	139	27	27	26	26	18	18	14	14	210	365
Prairie Creek .....	427	614	300	329	106	111	.....	.....	560	.....	508	.....	1,901	1,054
Saunders .....	1,251	3,672	492	1,042	252	394	281	228	294	206	477	790	3,047	6,332
Total .....	9,516	13,731	7,230	6,432	5,313	2,595	3,106	1,548	3,644	2,852	5,108	3,977	33,917	31,135

BITUMINOUS FIELD

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Cascade .....	1,922	3,041	1,842	3,442	1,863	3,439	1,807	3,225	2,026	4,051	2,085	4,484	11,545	21,732
Crow's Nest .....	10,588	24,206	8,138	19,728	9,382	21,901	8,931	21,168	9,259	22,963	9,353	23,257	55,651	133,223
Mountain Park .....	6,282	13,773	4,705	9,257	4,346	8,741	4,401	8,680	4,392	9,610	5,473	12,314	29,599	62,375
Nordeg .....	2,439	4,298	2,951	3,811	1,525	2,282	1,589	2,547	1,710	2,527	1,971	3,366	11,585	18,831
Total .....	21,231	45,318	17,036	36,238	17,116	36,413	16,728	35,620	17,387	39,151	18,882	43,421	108,380	236,161

TOTAL DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS FIELDS

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Domestic .....	30,380	107,150	18,474	56,422	17,809	49,388	14,699	15,851	13,045	23,147	13,730	26,182	109,087	278,140
Sub-Bituminous .....	9,516	13,731	7,230	6,432	5,313	2,595	3,106	1,548	3,644	2,852	5,108	3,977	33,917	31,135
Bituminous .....	21,231	45,318	17,036	36,238	17,116	36,413	16,728	35,620	17,387	39,151	18,882	43,421	108,380	236,161
Total .....	61,127	156,199	42,740	99,092	40,238	88,396	34,533	53,019	34,976	65,150	37,720	73,580	251,334	545,436

Number of shifts worked above and below ground in the SUB-BITUMINOUS FIELD by areas during each month for the six months ending December 31, 1930:

	July		August		September		October		November		December		Total for six months ending Dec. 31		Total for year 1930	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Coalspur .....	4,830	2,547	6,756	5,098	7,752	5,951	8,942	8,055	7,042	5,395	6,577	6,043	41,899	33,080	70,199	55,023
Pekisko .....	.....	77	8	54	14	72	23	84	16	85	27	87	33	459	542	1,900
Pincher .....	24	64	19	47	40	80	61	149	54	150	46	135	244	625	454	990
Prairie Creek .....	629	.....	621	325	648	891	828	1,594	446	1,064	202	480	3,374	4,354	5,275	5,408
Saunders .....	617	1,651	722	2,060	872	2,565	863	2,709	475	1,252	498	1,073	4,047	11,310	7,094	17,642
Total.....	6,100	4,339	8,121	7,575	9,326	9,559	10,717	12,591	8,033	7,946	7,350	7,818	49,647	49,828	83,564	80,963
BITUMINOUS COAL FIELD																
Cascade .....	2,095	4,268	2,010	3,863	1,980	4,056	1,854	3,370	1,763	3,322	1,939	4,008	11,641	22,897	23,186	44,629
Crow's Nest .....	8,873	21,632	8,403	19,400	9,477	22,810	10,219	17,969	11,239	18,775	9,241	25,198	58,012	125,774	113,663	258,997
Mountain Park .....	6,322	12,881	5,746	12,047	5,435	11,197	5,136	10,357	5,063	8,472	5,193	7,898	32,845	66,213	62,493	128,587
Nordegg .....	1,830	2,989	2,007	3,107	2,251	3,346	2,469	3,185	2,566	3,513	2,510	3,488	13,683	19,628	25,218	38,459
Total.....	19,120	41,770	18,166	38,417	19,143	41,409	19,678	34,881	20,691	34,092	19,383	43,942	116,181	234,511	224,561	470,672
TOTAL DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS FIELDS																
Domestic .....	14,703	26,206	18,109	41,999	23,175	71,303	36,354	121,367	26,218	83,327	21,420	62,008	139,979	406,910	249,016	685,050
Sub-Bituminous .....	6,100	4,339	8,121	7,575	9,526	9,559	10,717	12,591	8,033	7,946	7,350	7,818	49,647	49,828	83,564	80,963
Bituminous .....	19,120	41,770	18,166	38,417	19,143	41,409	19,678	34,881	20,691	34,092	19,383	43,942	116,181	234,511	224,561	470,672
Total.....	39,923	72,315	44,396	87,991	51,844	122,271	66,749	168,839	54,942	125,365	48,153	114,768	305,807	691,249	557,141	1,236,685

Amount of Mine Timber during the year:

## DOMESTIC COAL FIELD

Areas	Round Timber linear ft.	Lumber B.M.	Ties in feet	Lag- ging	Slabs Cords	Cogwood Cords
Ardley .....	34,907	.....	.....	.....	.....	.....
Big Valley .....	15,290	.....	.....	.....	.....	.....
Brooks .....	55,240	.....	.....	.....	.....	.....
Camrose .....	206,011	.....	.....	.....	.....	.....
Carbon .....	352,144	.....	.....	.....	.....	.....
Castor .....	86,563	1,680	.....	.....	.....	.....
Champion .....	46,104	400	.....	.....	.....	.....
Drumheller .....	3,980,037	.....	59,103	.....	89	.....
Edmonton .....	2,053,838	.....	87,603	.....	292	.....
Gleichen .....	12,582	.....	.....	.....	.....	.....
Halcourt .....	5,400	.....	.....	.....	.....	.....
Lethbridge .....	2,693,964	1,418,959	65,920	.....	71	18
Magrath .....	6,600	.....	.....	.....	.....	.....
Milk River .....	6,260	.....	.....	.....	.....	.....
Pakowki .....	12,298	.....	.....	.....	.....	.....
Pembina .....	238,785	.....	7,952	15,787	.....	.....
Redcliff .....	105,914	.....	.....	.....	.....	.....
Rochester .....	700	.....	.....	.....	.....	.....
Sheerness .....	36,318	.....	.....	.....	.....	.....
Taber .....	34,313	.....	162	.....	.....	.....
Tofield .....	8,083	.....	.....	.....	.....	.....
Wetaskiwin .....	1,860	.....	.....	.....	.....	.....
Whitecourt .....	150	.....	.....	.....	.....	.....
Total.....	9,993,361	1,421,039	220,740	15,787	452	18

## SUB-BITUMINOUS

Areas	Round Timber linear ft.	Lumber B.M.	Ties in feet	Slabs Cords	Lagging
Coalspur .....	321,474	52,365	.....	10,800	.....
Pekisko .....	7,545	.....	.....	.....	.....
Pincher .....	7,663	.....	.....	.....	.....
Prairie Creek .....	19,930	.....	2,331	.....	.....
Saunders .....	267,671	.....	5,000	.....	54,000
Total.....	624,283	52,365	7,331	10,800	54,000

## BITUMINOUS

Areas	Round Timber linear ft.	Lumber B.M.	Ties in feet	Slabs Cords	Lagging
Cascade .....	279,100	.....	.....	.....	145,000
Crow's Nest .....	2,425,362	635,050	.....	.....	509,395
Mountain Park .....	723,456	.....	.....	53	.....
Nordegg .....	890,108	.....	.....	.....	.....
Total.....	4,318,026	635,050	.....	53	654,395

## PARTICULARS OF LAMPS IN THE DOMESTIC COAL FIELD:

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
Portable Electric Lamps, Edison Cap Type.....	940	1,063	1,000	807	780	744	1,207	1,592	1,800	2,627	2,530
Portable Electric Lamps, Ceag Hand Type.....	35	35	35	35	43	43	43	.....	.....	.....	.....
Portable Electric Lamps, Wico Cap Type.....	500	500	500	500	569	560	275	.....	.....	.....	.....
Portable Electric Lamps, Oldham Cap Type.....	.....	.....	.....	.....	25	40	.....	.....	.....	.....	.....
Safety Lamps, Wolfe Flame Type.....	495	524	421	125	152	147	108	108	106	157	171
Safety Lamps, Koehler Flame Type.....	.....	6	.....	3	6	8	4	3	.....	.....	.....
Total.....	1,770	2,128	1,956	1,470	1,575	1,542	1,594	1,703	1,906	2,784	2,701

## PARTICULARS OF LAMPS IN THE SUB-BITUMINOUS COAL FIELD:

Portable Electric Lamps, Edison Cap Type.....	.....	.....	54	78	62	41	120	120	140	161	184
Safety Lamps, Wolfe Flame Type.....	.....	.....	.....	.....	.....	110	42	39	45	37	25
Total.....	.....	.....	54	78	62	151	162	159	185	198	209

## PARTICULARS OF LAMPS IN THE BITUMINOUS COAL FIELD:

Portable Electric Lamps, Edison Cap Type.....	2,214	2,612	2,849	3,545	3,485	2,952	3,024	3,378	3,510	3,310	3,458
Portable Electric Lamps, Wheat Electric Cap Type.....	.....	.....	.....	.....	.....	.....	.....	.....	11	12	.....
Portable Electric Lamps, Wolfe Electric Cap Type.....	.....	.....	.....	.....	.....	.....	.....	.....	20	20	20
Portable Electric Lamps, General Electric Cap Type.....	71	71	71	.....	.....	.....	.....	.....	.....	.....	.....
Portable Electric Lamps, Oldham Cap Type.....	.....	.....	7	47	.....	.....	.....	.....	.....	.....	.....
Safety Lamps, Wolfe Flame Type.....	1,411	1,301	1,218	1,186	894	703	554	633	468	363	345
Safety Lamps, Koehler Flame Type.....	.....	.....	.....	.....	.....	.....	.....	8	.....	.....	.....
Total.....	3,726	3,984	4,147	4,778	4,379	3,655	3,578	4,019	4,010	3,705	3,823

## Quantity of Explosives used in pounds for blasting coal:

## DOMESTIC COAL FIELD

Areas	Name of Explosive							Total
	Loose Black Powder	Black Pellet Powder	Monobel No. 4	Monobel No. 12	Miner's Friend No. 9	Coalite G.	Stumping Powder	
Ardley .....	590	400					50	1,040
Big Valley .....	200	1,615						1,815
Brooks .....	1,685	9,400						11,085
Camrose .....							30	30
Carbon .....	4,254	26,373		115				30,742
Castor .....	2,002	5,231	100					7,333
C. ampion .....	1,368	8,675						10,043
Drumheller .....	106,007	117,835	11,608		3,995			239,445
Edmonton .....	18,357	13,800	1,356	6,133	2,795	2,800	2,738	57,973
Gleichen .....	1,650	325						1,975
Halcourt .....	900							900
Lethbridge .....	44,975	7,172	25,552					81,149
Magrath .....	600		196					796
Milk River .....	250	1,530						1,780
Pakowki .....	550	50						600
Pembina .....						11,000		11,000
Redcliff .....	6,650	5,204						11,854
Sheerness .....	1,190	6,185						7,375
Taber .....	3,313	2,275	190	300				6,078
Tofield .....	605						180	785
Wetaskiwin .....	170							170
Total.....	195,316	206,070	38,996	16,548	6,790	13,800	2,998	484,398

## SUB-BITUMINOUS COAL FIELD

Areas	Name of Explosive							Total
	Black Pellet Powder	Coalite G.	Monobel No. 4	Monobel No. 12	Miner's Friend No. 9	Stumping Powder	35 % Dynamite	
Coalspur .....	2,100		56,223	600		300	30,500	123,673
Pekisko .....			475		200			675
Pincher .....			665					665
Prairie Creek .....	1,900	2,680		300				4,880
Saunders .....	11,127			350	4,364			15,841
Total.....	15,127	2,680	57,363	1,250	4,564	300	30,500	145,734

## BITUMINOUS COAL FIELD

Areas	Name of Explosive				Total
	Monobel No. 4	Monobel No. 6	CXL-ITE No. 2	40 % Dynamite	
Cascade .....	40,000	20,525			60,525
Crow's Nest .....	20,872	13,334	172	100	34,478
Mountain Park .....	18,186	69,710			87,896
Nordegg .....	12,000				12,000
Total.....	91,058	103,569	172	100	194,899

Number of tons of coal produced per pound of Explosive used for blasting coal:

## DOMESTIC COAL FIELD

Areas	Number of tons mined	Number of pounds of explosive used	Tons of Coal mined per pound of explosive used
Ardley .....	2,852	1,040	2.74
Big Valley .....	4,451	1,815	2.45
Brooks .....	7,992	11,085	.70
Camrose .....	35,443	30	1,181.43
Carbon .....	91,027	30,742	2.96
Castor .....	24,759	7,333	3.38
Champion .....	12,441	10,043	1.24
Drumheller .....	1,433,350	239,445	5.98
Edmonton .....	417,310	57,973	7.19
Gleichen .....	3,055	1,975	1.55
Halcourt .....	436	900	.48
Lethbridge .....	545,227	81,149	6.72
Magrath .....	969	796	1.22
Milk River .....	1,357	1,780	.76
Pakowki .....	2,092	720	2.90
Pembina .....	119,983	11,010	10.89
Redcliff .....	26,180	11,854	2.12
Rochester .....	140	.....	.....
Sheerness .....	21,674	7,375	2.94
Taber .....	12,303	6,078	2.02
Tofield .....	111,932	1,085	103.16
Wetaskiwin .....	105	170	.60
	12	.....	12.00
Total.....	2,874,090	484,398	5.93

## SUB-BITUMINOUS COAL FIELD

Coalspur .....	515,298	123,673	4.17
Pekisko .....	4,225	675	6.26
Pincher .....	2,318	665	3.49
Prairie Creek .....	15,425	4,880	3.25
Saunders .....	66,067	15,841	4.17
Total .....	603,331	145,734	4.14

## BITUMINOUS COAL FIELD

Cascade .....	212,953	60,525	3.55
Crow's Nest .....	1,133,914	34,478	32.89
Mountain Park .....	726,777	87,896	8.27
Nordegg .....	204,846	12,000	17.07
Total.....	2,278,490	194,899	14.25

Estimated number of shots fired for blasting coal:

## DOMESTIC COAL FIELD

	Electric Deton- ator	Electric Squibs	Fuse	Squibs	Total
Ardley .....	.....	.....	2,479	.....	2,479
Big Valley .....	.....	.....	1,475	.....	1,475
Brooks .....	.....	.....	2,400	3,225	5 625
Camrose .....	.....	.....	60	.....	60
Carbon .....	.....	.....	29,823	1,944	31,767
Castor .....	.....	.....	6,314	344	6,658
Champion .....	.....	.....	2,300	9,940	12,240
Drumheller .....	18,927	87,176	120,134	.....	226,237
Edmonton .....	8,588	.....	61,320	.....	69,908
Gleichen .....	.....	.....	1,131	.....	1,131
Halcourt .....	.....	.....	324	.....	324
Lethbridge .....	48,143	44,627	450	7,283	100,503
Magrath .....	.....	.....	2,200	.....	2,200
Milk River .....	.....	.....	480	1,510	1,990
Pakowki .....	.....	.....	150	610	760
Pemhina .....	10,646	.....	.....	.....	10,646
Redcliff .....	.....	.....	560	4,943	5,503
Sheerness .....	.....	.....	4,172	2,403	6,575
Taber .....	.....	.....	1,061	6,109	7,170
Tofield .....	.....	.....	8,570	.....	8,570
Wetaskiwin .....	.....	.....	355	.....	355
Total.....	86,304	131,803	245,758	38,311	502,176

## SUB-BITUMINOUS COAL FIELD

Coalspur .....	59,575	.....	122	.....	59,697
Pekisko .....	525	.....	614	.....	1,139
Pincher .....	1,170	.....	.....	.....	1,170
Prairie Creek .....	4,690	.....	.....	.....	4,690
Saunders .....	.....	.....	11,087	.....	11,087
Total .....	65,960	.....	11,823	.....	77,783

## BITUMINOUS COAL FIELD

Cascade .....	86,382	.....	.....	.....	86,382
Crow's Nest .....	42,883	.....	.....	.....	42,883
Mountain Park .....	79,564	.....	.....	.....	79,564
Nordegg .....	18,000	.....	.....	.....	18,000
Total.....	226,829	.....	.....	.....	226,829

Number of miss-fire shots recorded in blasting coal in the Province:

DOMESTIC COAL FIELD

Areas	Electric Deton- ator	Electric Squibs	Fuse	Squibs	Total
Ardley .....	.....	.....	22	.....	22
Big Valley .....	.....	.....	6	.....	6
Carbon .....	.....	.....	27	6	33
Castor .....	.....	.....	19	.....	19
Champion .....	.....	.....	.....	5	5
Drumheller .....	6	10	99	.....	115
Edmonton .....	8	.....	84	.....	92
Gleichen .....	.....	.....	14	.....	14
Halcourt .....	.....	.....	7	.....	7
Lethbridge .....	8	26	.....	4	38
Magrath .....	.....	.....	10	.....	10
Milk River .....	.....	.....	2	.....	2
Pakowki .....	.....	.....	1	.....	1
Redcliff .....	.....	.....	.....	12	12
Sheerness .....	.....	.....	20	12	32
Taber .....	.....	.....	8	.....	8
Tofield .....	.....	.....	9	.....	9
Total.....	22	36	328	39	425

Number of miss-fire shots recorded in blasting coal in the

SUB-BITUMINOUS COAL FIELD

Coalspur .....	21	.....	.....	.....	21
Prairie Creek .....	5	.....	.....	.....	5
Saunders .....	.....	.....	7	.....	7
Total.....	26	.....	7	.....	33

BITUMINOUS COAL FIELD

Cascade .....	120	.....	.....	.....	120
Crow's Nest .....	18	.....	.....	.....	18
Mountain Park .....	35	.....	.....	.....	35
Total.....	153	.....	.....	.....	153



Quantity of Explosives used in pounds for blasting rock in Coal Mines in the Province:

Areas	Name of Explosive										Total	
	Black Powder	Miner's Friend No. 9	Monobel No. 4	Monobel No. 6	Monobel No. 12	Coalite G.	20% Dynamite	35% Dynamite	40% Dynamite	60% Dynamite		CXL-ITE No. 2
Ardley .....	.....	.....	40	.....	.....	.....	.....	.....	.....	.....	.....	40
Brooks .....	.....	.....	.....	.....	.....	.....	.....	.....	650	.....	.....	650
Carbon .....	.....	.....	.....	.....	.....	.....	.....	.....	275	.....	.....	275
Cascade .....	.....	.....	.....	5,560	.....	.....	.....	.....	.....	.....	9,725	15,285
Castor .....	.....	.....	.....	.....	.....	.....	.....	.....	15	.....	.....	15
Champion .....	.....	.....	300	.....	.....	.....	.....	.....	250	.....	.....	550
Coalspur .....	.....	.....	.....	.....	.....	.....	.....	14,250	.....	4,490	160	18,900
Crow's Nest .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,266	14,687	15,953
Drumheller .....	.....	225	6,047	.....	.....	.....	500	.....	7,273	1,250	250	15,745
Edmonton .....	.....	.....	.....	.....	75	.....	50	.....	600	.....	.....	725
Halcourt .....	.....	.....	.....	.....	.....	.....	50	.....	.....	.....	.....	50
Lethbridge .....	.....	.....	422	.....	.....	.....	100	.....	.....	.....	.....	522
Magrath .....	.....	.....	100	.....	.....	.....	.....	.....	600	.....	.....	700
Milk River .....	.....	.....	.....	.....	.....	.....	.....	.....	450	.....	.....	450
Mountain Park .....	.....	.....	.....	5,155	.....	.....	.....	.....	.....	38,328	32,404	75,887
Nordegg .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	700	700
Pekisko .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	8
Pembina .....	.....	.....	.....	.....	.....	.....	320	.....	200	.....	.....	570
Prairie Creek .....	.....	.....	.....	.....	.....	50	75	.....	.....	.....	.....	75
Saunders .....	.....	700	.....	.....	300	.....	.....	.....	.....	.....	.....	1,000
Taber .....	50	.....	20	.....	50	.....	.....	.....	500	.....	.....	620
Total .....	50	925	6,929	10,715	425	50	1,095	14,250	10,813	45,384	57,934	148,520

## THE MINES BRANCH

Estimated number of shots fired for blasting rock in Coal Mines  
in the Province:

Areas	Electric Deton- ator	Electric Squib	Fuse	Squib	Total
Ardley .....	.....	.....	7	.....	7
Big Valley .....	.....	.....	.....	.....	.....
Brooks .....	175	.....	225	.....	400
Camrose .....	.....	.....	.....	.....	.....
Carbon .....	.....	.....	309	.....	309
Cascade .....	19,921	.....	.....	.....	19,921
Castor .....	.....	.....	19	.....	19
Champion .....	.....	.....	436	.....	436
Coalspur .....	3,383	.....	2,051	.....	5,434
Crow's Nest .....	16,223	.....	.....	.....	16,223
Drumheller .....	3,650	.....	17,451	.....	20,689
Edmonton .....	300	.....	668	.....	968
Gleichen .....	.....	.....	.....	.....	.....
Halcourt .....	.....	.....	70	.....	70
Lethbridge .....	615	.....	150	.....	765
Magrath .....	.....	.....	750	.....	750
Milk River .....	.....	.....	300	.....	300
Mountain Park .....	31,162	.....	.....	.....	31,162
Nordegg .....	1,050	.....	.....	.....	1,050
Pekisko .....	6	.....	.....	.....	6
Pembina .....	.....	.....	745	.....	745
Prairie Creek .....	100	.....	.....	.....	100
Saunders .....	.....	.....	1,800	.....	1,800
Taber .....	700	.....	205	200	1,105
Total.....	77,285	.....	25,186	200	102,671

Number of miss-fire shots recorded in blasting rock in Coal Mines  
in the Province:

Cascade .....	6	.....	.....	.....	6
Castor .....	.....	.....	1	.....	1
Crow's Nest .....	10	.....	.....	.....	10
Drumheller .....	10	.....	.....	.....	10
Halcourt .....	.....	.....	2	.....	2
Magrath .....	.....	.....	10	.....	10
Milk River .....	.....	.....	4	.....	4
Mountain Park .....	8	.....	.....	.....	8
Total.....	34	.....	17	.....	51

## ELECTRICITY

The rules for the Installation and Use of Electricity in or about mines require a return to be made to the Department on or before January 15th of each year, giving size, type and any other particulars which may be required of electrical apparatus in use above and below ground. According to the returns received from the different mines, electricity was used in 81 different mines in 1930. A summary of these returns regarding the horse-power of electrical apparatus in use is given below:

Areas	No. of Mines using Electricity	Horse-power of Electrical Apparatus in use		Total Horse-power
		Above Ground	Below Ground	
Ardley .....	1	20	35	55
Big Valley .....	1	28	34	62
Camrose .....	1	.....	12 ½	12 ½
Carbon .....	5	108	248	356
Cascade .....	1	705	175	880
Coalspur .....	6	823 ½	165	988 ½
Crow's Nest .....	8	10,873	2,235	13,108
Drumheller .....	28	3,157 ½	4,213	7,370 ½
Edmonton .....	8	808	979 ½	1,787 ½
Gleichen .....	1	38	5	43
Lethbridge .....	6	944 ½	574 ½	1,519
Mountain Park .....	3	1,226	1,115	2,341
Nordegg .....	1	1,200 ½	80	1,280 ½
Pembina .....	2	185	465	650
Prairie Creek .....	1	52	80	132
Redcliff .....	2	130	90	220
Saunders .....	3	112 ½	193	305 ½
Taber .....	3	10	175	185
Total.....	81	20,421 ½	10,874 ½	31,296

## COAL-CUTTING MACHINERY

Areas	No. of Machines operated by		Tons of Coal mined by	
	Electricity	Compressed Air	Electricity	Compressed Air
Ardley .....	1	.....	10	.....
Big Valley .....	1	.....	2,322	.....
Carbon .....	6	3	52,881	12,000
Castor .....	.....	2	.....	2,373
Coalspur .....	2	7	12,527	46,541
Crow's Nest .....	.....	176*	.....	199,273
Drumheller .....	91	1	1,332,841	228
Edmonton .....	19	.....	259,427	.....
Gleichen .....	.....	1	.....	2,189
Lethbridge .....	3	85	50,041	426,320
Pembina .....	6	.....	106,039	.....
Prairie Creek .....	2	.....	13,927	.....
Redcliff .....	3	2	16,745	9,316
Saunders .....	2	13	7,500	58,565
Taber .....	3	.....	3,534	.....
Total.....	139	290	1,857,794	756,805

\*Compressed air operated picks.

## THE MINES BRANCH

## ACCIDENTS

Summary table showing Accidents occurring in Mines during  
1906 to 1930 inclusive:

Year	Output	Accidents			Tons of Coal mined per accident		
		Fatal	Serious	Slight	Fatal	Serious	Slight
1906 .....	1,385,000	10	11	20	138,500	125,909	60,250
1907 .....	1,834,745	19	18	68	96,565	101,930	26,981
1908 .....	1,845,000	11	38	13	167,727	48,552	141,923
1909 .....	2,174,329	9	42	18	241,952	51,769	120,796
1910 .....	3,036,757	61*	41	58	49,782	71,067	52,375
1911 .....	1,694,564	7	32	45	242,080	52,955	37,656
1912 .....	3,446,349	21	38	58	164,111	90,693	59,419
1913 .....	4,306,346	28	60	83	152,789	71,772	51,883
1914 .....	3,821,739	209†	44	50	18,286	86,857	76,434
1915 .....	3,434,891	18	33	33	190,827	104,087	104,087
1916 .....	4,638,604	20	51	34	232,430	91,149	136,723
1917 .....	4,863,414	24	62	39	202,642	78,442	124,703
1918 .....	6,148,620	22	60	77	279,483	102,477	79,860
1919 .....	5,022,412	21	56	54	239,162	89,685	93,008
1920 .....	6,908,923	29	53	33	238,733	130,371	181,814
1921 .....	5,937,195	21	64	25	282,721	92,769	237,488
1922 .....	5,976,432	35	38	35	170,755	157,274	170,755
1923 .....	6,866,923	22	44	10	312,133	156,066	686,692
1924 .....	5,203,713	21	42	40	247,796	123,898	130,093
1925 .....	5,883,394	30	59	56	196,113	99,718	105,060
1926 .....	6,508,908	39	67	119	166,398	97,148	54,696
1927 .....	6,936,780	26	76	115	266,799	91,273	60,320
1928 .....	7,334,179	28	71	122	261,935	103,298	60,166
1929 .....	7,147,250	31	69	98	230,556	103,583	72,931
1930 .....	5,755,911	11	69	97	523,265	83,419	59,339
Total .....	118,122,378	773	1,238	1,305	152,810	95,414	90,515

\*Including thirty-one deaths caused by the Bellevue Explosion.

†Including one hundred and eighty-nine deaths caused by the Hillcrest Explosion.

Accidents during 1930, classified according to the Coal Field  
in which they occurred:

Domestic .....	2,874,090	4	43	69	718,522	66,839	41,653
Sub-Bituminous .....	603,331	1	6	10	603,331	100,555	60,333
Bituminous .....	2,278,490	6	20	18	379,748	113,924	126,583

Number of tons produced per accident:

## DOMESTIC COAL MINES

Area	Output	Average No. of men employed	No. of tons produced per accident			
			Fatal	Serious	Slight	Total
Ardley .....	2,852	16	.....	.....	.....	.....
Big Valley .....	4,451	10	.....	.....	.....	.....
Brooks .....	7,992	10	7,992	.....	.....	7,992
Camrose .....	35,443	51	.....	.....	.....	.....
Carbon .....	91,027	169	.....	91,027	.....	91,027
Castor .....	24,759	59	.....	.....	.....	.....
Champion .....	12,441	26	.....	.....	.....	.....
Drumheller .....	1,433,350	2,163	716,675	477,783	62,320	26,061
Edmonton .....	417,310	620	417,310	83,462	15,456	12,646
Halcourt .....	436	3	.....	.....	.....	.....
Gleichen .....	3,055	8	.....	.....	.....	.....
Lethbridge .....	545,227	1,319	.....	109,045	54,522	16,348
Magrath .....	969	3	.....	.....	.....	.....
Milk River .....	1,357	5	.....	.....	.....	.....
Pakowki .....	2,092	5	.....	.....	.....	.....
Pembina .....	119,983	148	.....	59,991	23,996	17,140
Redcliff .....	25,180	39	.....	.....	12,590	12,590
Rochester .....	140	7	.....	.....	.....	.....
Sheerness .....	21,674	39	.....	.....	21,674	21,674
Taber .....	12,303	29	.....	.....	.....	.....
Tofield .....	111,932	87	.....	.....	111,932	.....
Wetaskiwin .....	105	2	.....	.....	.....	.....
Whitecourt .....	12	2	.....	.....	.....	.....
Total.....	2,874,090	4,822	718,522	66,839	41,653	24,777

## SUB-BITUMINOUS COAL MINES

Coalspur .....	515,298	520	515,298	85,883	73,614	36,807
Pekisko .....	4,225	12	.....	.....	.....	.....
Pincher .....	2,318	8	.....	.....	.....	.....
Prairie Creek .....	15,425	53	.....	.....	.....	.....
Saunders .....	66,067	133	.....	.....	22,022	22,022
Total.....	603,331	726	603,331	100,555	60,333	35,490

## BITUMINOUS COAL MINES

Cascade .....	212,953	327	.....	212,953	35,492	30,422
Crow's Nest (East).....	486,740	872	162,247	162,247	243,370	60,842
Crow's Nest (West).....	647,174	1,034	323,587	64,717	129,435	38,069
Mountain Park .....	726,777	798	726,777	121,129	242,359	72,677
Nordegg .....	204,846	310	.....	.....	102,423	102,423
Total.....	2,278,490	3,341	379,748	113,924	126,583	51,784

## SUMMARY

Domestic .....	2,874,090	4,822	718,522	66,839	41,653	24,777
Sub-Bituminous .....	603,331	726	603,331	100,555	60,333	35,490
Bituminous .....	2,278,490	3,341	379,748	113,924	126,583	51,784
Total.....	5,755,911	8,889	523,265	83,419	59,339	32,519

Classifications of Accidents according to outputs of mines which produced during the year 1930:

	Under 1,000 tons	1,000 to 5,000	5,000 to 10,000	10,000 to 50,000	50,000 to 100,000	100,000 to 200,000	200,000 to 300,000	300,000 to 400,000	Over 400,000	Total
Fatal .....	.....	1	.....	1	2	2	4	.....	1	11
Serious .....	.....	2	1	8	26	16	13	.....	3	69
Slight .....	1	2	2	36	28	5	21	.....	2	97
Total.....	1	5	3	45	56	23	38	.....	6	177

Number of tons of coal extracted per accident in mines which produced during the year 1930:

Fatal .....	.....	169,064	.....	771,280	661,188	739,384	383,622	.....	401,553	523,265
Serious .....	.....	54,532	81,234	96,410	50,861	92,423	118,038	.....	133,851	83,419
Slight .....	57,145	54,532	40,617	21,424	47,228	295,753	73,071	.....	200,776	59,339
Total.....	57,145	21,313	27,078	17,140	23,614	64,294	40,391	.....	66,925	32,591

## FATAL ACCIDENTS DURING THE YEAR 1930

On January 31st to Martin Waytyto, a miner, aged 46 years, in the mine operated by the Hillcrest Collieries, Ltd., at Hillcrest, caused by a fall of rock in pillar workings. He, with his partner, was working at the face of a skip in 369 pillar. A slip in the roof had been exposed by the previous shift, and they were preparing to set some long props. He was making a foothold in the floor when a large piece of rock fell onto him. Neck broken, causing instant death.

On February 17th, to Frank Chezeck, a miner, aged 33 years, in the mine operated by the West Canadian Collieries, Ltd., at the Greenhill Mine, Blairmore, caused by a cave of rock in pillar workings. He, with his partner, Frank Bombardier, were working in No. 118½ pillar No. 3 level, when a heavy cave of rock took place, partially covering them and jamming them against the face of the skip, closing up the room. After considerable work of driving through the pillar from 119 room, Bombardier was rescued 24 hours after the cave occurred. Chezeck was dead when found some 3½ hours later, his neck having been broken. Bombardier had considerable body contusions, also suffered from shock.

On April 24th, to Terence McGuire, a miner, aged 43 years, in the mine operated by the Cadomin Coal Co., Ltd., at Cadomin, caused through his being asphyxiated by methane gas. He was working along with his partner, at the face of No. 5 angle, shaft workings, when there was an outburst of coal and gas. He attempted to get away, but his foot was caught by some slabs and coal and he could not free himself. His partner got out, but owing to the outburst of gas was unable to go back to release McGuire, who was dead when released, having been overcome by methane.

On June 20th, to Dennis Turner, rope-rider, aged 21 years, in the mine operated by the West Canadian Collieries, Ltd., at Bellevue, caused through his falling in front of a trip of loaded cars. A trip of three loaded cars has been hoisted to the top of No. 7 slope and he had jumped onto the bumper of the first car to uncouple the rope, when in some manner he slipped off the bumper, falling in front of the car, the wheels of which ran over his right leg, causing a multiple compound comminuted fracture of tibia and fibula with considerable haemorrhage. He died in the hospital 14 hours later from shock, due to loss of blood.

On October 17th, to Joseph Rayman, laborer, age 23, in the mine operated by the McGillivray Creek Coal & Coke Co., Ltd., near Coleman, caused through his being caught in a moving belt on the tippie. He was applying dressing to the belt operating a conveyor taking coal to the boilers, when the glove on his right hand caught between the belt and pulley, which drew his arm in, throwing him onto the gearing. His right shoulder and chest were crushed by the pulley, also his buttock on the right side severely lacerated by the gears. He died from traumatic pneumonia on October 30th.

On October 31st, to A. Bonigord, a miner, age 46, in the mine operated by the Newcastle Coal Co., Ltd., near Drumheller, caused through a fall of rock. He was working in a crosscut, which he had driven through from 22 to 23 East Entries, when a large piece of rock fell from the roof onto him, knocking him down, causing a fractured pelvis and internal injuries, from the effects of which he died in the Drumheller hospital on November 9th, 1930.

On November 12th, to Wasl Panczuk, tippie dumper, age 49, in the mine operated by the West Canadian Collieries, Ltd., at Bellevue, through his being run over by a loaded car. He apparently was opening the dogs on the rotary dump to let a car of rock run through the dump, when the car started down the grade, catching and knocking him down and crushing him. He received severe injuries to his chest, both external and internal, which caused instant death.

On November 13th, to Mike Chimich, driller, age 32, in the mine operated by the Coal Valley Mining Co., Ltd., at Coal Valley, through his being buried by a slide of coal in the stripping pit. He, along with two other men, had drilled 8 shot holes in the coal face at the bottom of the bench in the pit. They had fired springing shots in 7 of the holes and were preparing to spring the 8th when a slide of coal took place, burying him under about 4 feet of coal. He was dead when taken out, about one hour later, death being caused by suffocation.

On November 15th, to Mike Gomek, a driver, age 37 years, in the mine operated by the Ottewell Coal Company at Clover Bar, through his being buried under a cave on the entry. He was driving a horse hauling a trip of empty cars from the hoisting shaft to the working places, riding on the front end of the trip. The first car became derailed, knocking out a set of timber, which allowed the roof to cave, burying him. He was dead when taken out from the cave about twenty minutes later, his neck having been broken, causing instant death.

On November 17th, to Victor Lauderbach, a miner, age 38, in the mine operated by the Rose Deer Coal Mining Co., Ltd., at Wayne, through a fall of bone coal at the face of a room. He was working at the face of No. 3 room 13 north entry, and in taking out some bottom coal, a large piece of bone coal fell onto his leg, causing a compound comminuted fracture of both bones of the left leg above the ankle, necessitating amputation. A second amputation was made, but gangrene developed, from the effects of which he died on the 19th of November.

On December 1st, to Carman E. Haley, a miner, age 31, in the mine operated by the Kleenbirn Collieries, Ltd., at Eyremore, south of Brooks, through being crushed by a fall of rock at the face of a room. He was working at the face of No. 1 room 2 butt entry, preparing to put up some timber, when a large piece of rock dropped out of a pot hole in the roof onto his back, doubling him up and crushing his chest, causing internal injuries, death being practically instantaneous.

Accidents as they occurred by months during the year 1930:

Months	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
January .....		2	5	7	1	8	13	22	29
February .....		1		1	1	3	7	11	12
March .....			1	1		2	7	9	10
April .....			1	1	1	1	8	10	11
May .....						3	6	9	9
June .....		1		1	1	2	4	7	8
July .....		1		1		6	1	7	8
August .....			3	3		8	4	12	15
September .....			1	1		8	5	13	14
October .....	1		2	3	1	6	11	18	21
November .....	2		1	3	2	8	12	22	25
December .....		1		1	1	8	5	14	15
Total .....	3	6	14	23	8	63	83	154	177

Accidents occurring in the Province above and below ground during the year 1930:

Cause	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Haulage .....		1	2	3	2	16	29	47	50
Falls of Rock .....					4	19	14	37	37
Falls of Coal .....	1			1	1	10	10	21	22
Timbering .....						4	8	12	12
Ignition of gas .....							3	3	3
Asphyxiation .....					1			1	1
Shot-firing .....			1	1		1	1	2	3
Timber packing .....						2	1	3	3
Electric Coal-cutting .....						6	5	11	11
Electricity .....		1	1	2			1	1	3
Loading Coal .....						3	6	9	9
Tipple Mchys, etc. ....	2	1	1	4					4
R.R. Cars .....		1	3	4					4
Miscellaneous .....		2	6	8		2	5	7	15
Total .....	3	6	14	23	8	63	83	154	177



Accidents occurring in the Province above and below ground for the year 1930, classified according to the area in which they occurred:

Area	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Brooks .....	.....	.....	.....	.....	1	.....	.....	1	1
Carbon .....	.....	.....	.....	.....	.....	1	.....	1	1
Cascade .....	.....	.....	2	2	.....	1	4	5	7
Coalspur .....	1	2	3	6	.....	4	4	8	14
Crow's Nest (East) ..	1	1	.....	2	2	2	2	6	8
Crow's Nest (West) ..	1	1	1	3	1	9	4	14	17
Drumheller .....	.....	1	4	5	.....	29	19	50	55
Edmonton .....	.....	.....	1	1	1	5	26	32	33
Lethbridge .....	.....	.....	.....	.....	.....	5	10	15	15
Mountain Park .....	.....	1	1	2	1	5	2	8	10
Nordegg .....	.....	.....	.....	.....	.....	.....	2	2	2
Pembina .....	.....	.....	.....	.....	.....	2	5	7	7
Redcliff .....	.....	.....	.....	.....	.....	.....	2	2	2
Saunders .....	.....	.....	.....	.....	.....	.....	3	3	3
Sheerness .....	.....	.....	1	1	.....	.....	.....	.....	1
Tofield .....	.....	.....	1	1	.....	.....	.....	.....	1
Total.....	3	6	14	23	8	63	83	154	177



Timbering, carrying timber, stepped on nail	1	6	8	4	42	62	108	116
Ignition of gas by open light	1	1	1	1	1	1	1	1
Shot-firing, premature ignition of black powder( stripping pit)	1	1	1	1	1	1	1	1
Electric coal-cutting machinery, struck by falling jack post	1	1	1	1	1	1	1	1
Electric coal-cutting machinery, crushed between machinery and side of entry	1	1	1	1	1	1	1	1
Electric coal-cutting machinery, foot crushed by machine	1	1	1	1	1	1	1	1
Electric coal-cutting machinery, hand jammed in chain	1	1	1	1	1	1	1	1
Electric coal-cutting machinery, leg caught in cutter chain	1	1	1	1	1	1	1	1
Electric coal-cutting machinery, foot jammed between machinery and face	1	1	1	1	1	1	1	1
Electric coal-cutting machinery, hand jammed in lifting jack	1	1	1	1	1	1	1	1
Electricity, hand burnt when pulling switch	1	1	1	1	1	1	1	1
Electricity, hand burnt when screwdriver slipped, causing short circuit	1	1	1	1	1	1	1	1
Loading coal, hand caught between coal and car	1	1	1	1	1	1	1	1
Loading coal, hand caught between lumps of coal	1	1	1	1	1	1	1	1
Loading rail, which dropped on foot	1	1	1	1	1	1	1	1
Caging at shaft bottom fell in sump	1	1	1	1	1	1	1	1
Struck by pan of machine dropping off cage	1	1	1	1	1	1	1	1
Struck clay with an axe, which slipped	1	1	1	1	1	1	1	1
Struck by timber falling off tippie	1	1	1	1	1	1	1	1
Crushed against side of stable by horse	1	1	1	1	1	1	1	1
Burnt by ignition of acetylene gas	1	1	1	1	1	1	1	1
R.R. car, hand jammed by door falling on same	1	1	1	1	1	1	1	1
Total	1	6	8	4	42	62	108	116

## SUB-BITUMINOUS

Horse haulage, crushed between loaded cars								1	.....	1
Steam locomotive haulage, hand jammed by car								1	.....	1
Fall of rock at face of room								1	.....	1
Fall of coal at face of room								1	.....	2
Side of coal in stripping pit								1	.....	5
Timbering, hand cut when axe slipped								1	.....	1
Ignition of gas by open light								1	.....	1
Electric coal drill, thumb torn out								1	.....	1
R.R. box car, finger broken while loading coal								1	.....	1
Fell off step-ladder while stringing wire								1	.....	1
Slipped and fell in wash-house								1	.....	1
Slide of clay in stripping pit								1	.....	1
Total.....	1	2	3	6				4	7	17



Accidents during 1930, classified according to the Mines in the Domestic Field in which they occurred:

Name of Operator	Area	Above Ground			Below Ground			Total Above and Below
		Fatal	Serious	Slight	Fatal	Serious	Slight	
Kleenbirt Collieries, Ltd.	Brooks	1	1	1	1	1	1	1
Peerless Carbon Collieries, Ltd.	Carbon	1	1	1	1	1	1	1
Aetna Coal Co., Ltd.	Drumheller	1	1	1	1	1	1	1
Alberta Block Coal Co., Ltd.	Drumheller	1	1	1	1	1	1	1
Atlas Coal Co., Ltd.	Drumheller	1	1	1	1	1	1	1
Drumheller Consolidated Collieries, Ltd.	Drumheller	1	1	1	1	1	1	1
Excelsior Collieries, Ltd., The	Drumheller	1	1	1	1	1	1	1
Great West Coal Co., Ltd.	Drumheller	1	1	1	1	1	1	1
Hy-Grade Coal Co. of Drumheller, Ltd.	Drumheller	1	1	1	1	1	1	1
Ideal Coal Co., Ltd.	Drumheller	1	1	1	1	1	1	1
Jewel Collieries, Ltd.	Drumheller	1	1	1	1	1	1	1
Midland Coal Mining Co., Ltd., No. 1	Drumheller	1	1	1	1	1	1	1
Midland Coal Mining Co., Ltd., No. 2	Drumheller	1	1	1	1	1	1	1
Newcastle Coal Co., Ltd.	Drumheller	1	1	1	1	1	1	1
Rosedale Coal Co., Ltd.	Drumheller	1	1	1	1	1	1	1
Rose-Deer Coal Mining Co., Ltd.	Drumheller	1	1	1	1	1	1	1
Rowden, Godwin & Edmonson	Drumheller	1	1	1	1	1	1	1
J. D. Thomas Coal Co. (Estate)	Drumheller	1	1	1	1	1	1	1
Triangle Coal Company	Drumheller	1	1	1	1	1	1	1
Western Gem Coal Co., Ltd.	Drumheller	1	1	1	1	1	1	1
Fridel Coal Company	Edmonton	1	1	1	1	1	1	1
Great West Coal Co., Ltd.	Edmonton	1	1	1	1	1	1	1
Harry Horkulak and Partners	Edmonton	1	1	1	1	1	1	1
Marcus Coals, Ltd.	Edmonton	1	1	1	1	1	1	1
Nimko, Kost and Partners	Edmonton	1	1	1	1	1	1	1
Ottewell Coal Company	Edmonton	1	1	1	1	1	1	1
Penn Mines, Ltd., No. 1	Edmonton	1	1	1	1	1	1	1
Penn Mines, Ltd., No. 2	Edmonton	1	1	1	1	1	1	1
Penn Coals, Limited	Edmonton	1	1	1	1	1	1	1
Cadillac Coal Co., Ltd.	Edmonton	1	1	1	1	1	1	1
Canadian Pacific Railway, Dept. Natural Resources	Lethbridge	1	1	1	1	1	1	1
Royal Lethbridge Collieries	Lethbridge	1	1	1	1	1	1	1
Lakeside Coals, Limited	Lethbridge	1	1	1	1	1	1	1
Oliphant, John T.	Pembina	1	1	1	1	1	1	1
Redcliff Brick & Coal Co., Ltd.	Redcliff	1	1	1	1	1	1	1
Kirkeby, Bert A.	Redcliff	1	1	1	1	1	1	1
Tofield Coal Co., Ltd.	Tofield	1	1	1	1	1	1	1
Total.....		1	7	8	4	42	62	116



## LIST OF PROSECUTIONS UNDER THE MINES ACT AND THE COAL MINES REGULATION ACT DURING 1930:

Mine in which Contravention was Committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
Penn Mines, Ltd.	Miner	Firing more than one shot at one time.	Convicted	Fined \$10.00	\$2.00
Penn Mines, Ltd.	Miner	Firing more than one shot at one time.	Convicted	Fined \$10.00	2.00
Dekeyser Coal Company	Operator	Failed to keep plan as required by Regulation 11.	Convicted	Fined \$7.00	3.55
Dekeyser Coal Company	Operator	Failed to keep plan as required by Section 56 (1).	Convicted	Fined \$7.00	3.55
Pass Bituminous Coll. (Old Mine)	Laborer	Did enter mine without same being examined by a competent person	Convicted	Fined \$5.00 and costs	3.50
Pass Bituminous Coll. (Old Mine)	Laborer	Did enter mine without same being examined by a competent person	Convicted	Fined \$5.00 and costs	3.50
Pass Bituminous Coll. (Old Mine)	Laborer	Did enter mine without same being examined by a competent person	Convicted	Fined costs of Court	3.00
Pass Bituminous Coll. (Old Mine)	Miner	Working at coal face without having a certificate of competency as a miner	Convicted	Fined \$15.00 and costs	3.00
Pass Bituminous Coll. (Old Mine)	Owner	Failing to send returns and notices to the Minister and District Inspector of Mines	Convicted	Fined \$10.00 and costs	4.50
Pass Bituminous Coll. (Old Mine)	Owner	Failed to appoint a manager or overman.	Convicted	Fined \$10.00 and costs	2.00
West Canadian Collieries, Ltd., Bellevue	Motorman	Got off man trip while same was in motion.	Convicted	Fined \$10.00 and costs or 30 days	5.90
D. Medloski	Operator and Overman	Failed to keep plan of mine as required by Section 56 (1)	Convicted	Fined \$15.00	8.70
D. Medloski	Operator and Overman	Contravened Regulation 11 by failing to keep plan as required	Convicted	Fined \$15.00	1.75
James Finlayson	Manager	Failed to have underground workings under daily supervision of an overman as required by Section 29	Convicted	Fined \$1.00	1.85
James Finlayson	Manager	Failed to keep plan of workings of mine as required by Section 56 (1)	Convicted	Fined \$1.00	1.80
James Finlayson	Manager	Failed to have necessary inspection made before time of starting to work required by Section 61	Convicted	Fined \$1.00	1.85
James Finlayson	Manager	Failed to keep plan showing ventilation of mine.	Convicted	Fined \$1.00	1.85
James Finlayson	Manager	Failed to make returns to Minister required by Section 43	Convicted	Fined \$1.00	1.85
James Finlayson	Miner	Went to work in mine before it was reported safe by the examiner	Convicted	Fined \$1.00	3.25
A. Hoving	Owner	Operated mine without having workings under daily charge of overman	Convicted	Fined \$2.00 or 10 days.	2.25
J. Hoving	Owner	Operated mine without having workings under daily charge of overman	Convicted	Fined \$2.00 or 10 days.	2.25
H. Hoving	Owner	Operated mine without having workings under daily charge of overman	Convicted	Fined \$2.00 or 10 days.	2.25

## LIST OF PROSECUTIONS UNDER THE MINES ACT AND THE COAL MINES REGULATION ACT DURING 1930—(Continued)

Mine in which Contravention was Committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
Chas. Smith .....	Owner .....	Operated mine without having workings under daily charge of overman .....	Convicted .....	Fined \$2.00 or 10 days .....	2.25
Western Gem Coal Co., Ltd. ....	Machineman's helper .....	Did work at working face while he was not the holder of a miner's certificate under the Act. ....	Convicted .....	Fined \$5.00 .....	3.70
Western Gem Coal Co., Ltd. ....	Machineman's helper .....	Failed to deliver his certificate to owner, agent or manager of said mine upon commencement of his employment in a capacity for which he is required to be the holder of a miner's certificate .....	Convicted .....	Fined \$5.00 .....	.....
Western Gem Coal Co., Ltd. ....	Machineman's helper .....	Did falsely represent himself to be the holder of a miner's certificate, obtaining employment in a capacity for which the Coal Mines Regulation Act required him to be the holder of a miner's certificate .....	Convicted .....	Fined \$5.00 .....	.....
Western Gem Coal Co., Ltd. ....	Mine Manager .....	Failed to keep in the office at the mine miner's certificate of Norman Russell, while he was employed in a capacity for which he required to be the holder of a miner's certificate. ....	Convicted .....	Fined \$10.00 .....	.....
Western Gem Coal Co., Ltd. ....	Mine Manager .....	Contravened Sec. 48 (e) of Coal Mines Regulation Act in that he allowed Norman Russell to work at the working face who is not qualified as is by the said Act required .....	Convicted .....	Fined \$10.00 .....	3.70
McGillivray Creek Coal & Coke Co., Ltd. ....	Timber packer .....	Did have tobacco for smoking in his possession while in the mine of the McGillivray Creek Coal & Coke Co., Ltd., at Coleman. ....	Convicted .....	Fined costs of Court .....	5.00
Rose Deer Coal Mining Co., Ltd. ....	Miner .....	Did handle a cartridge of loose black powder while filling same, with lamp on his head and cigarette in his mouth .....	Convicted .....	Fined \$5.00 .....	2.75
Brazeau Collieries, Ltd. ....	Miner .....	Leaving 6 sticks of Monobel No. 4 buried in his working place .....	Convicted .....	Fined \$10.00 .....	5.00
George Bragdich .....	Owner .....	Allowed a person to work at the face who had no certificate .....	Convicted .....	Fined \$20.00 .....	2.00
Penn Mine Coal Co., Ltd. ....	Mine Manager .....	Performed the duties of shot lighter when such duties interfered with the due performance of his duties as examiner .....	Convicted .....	Fined \$10.00 .....	3.25
Western Gem Coal Co., Ltd. ....	Examiner .....	Failed to examine that part of the mine to be worked by the enclosing shift, within the specified time in the Act .....	Convicted .....	Fined \$5.00 .....	1.62
Western Gem Coal Co., Ltd. ....	Examiner .....	Worked by the enclosing shift, within the specified time in the Act .....	Convicted .....	Fined \$10.00 .....	1.63
Canmore Coal Co., Ltd. ....	Miner .....	Riding on car without permission of manager or overman .....	Convicted .....	Fined \$1.00 .....	3.75



Number of Mines opened, abandoned, and re-opened according to Areas and Kind of Coal, during the year:

Area	Number	Character of Coal	No. of Mines in operation Dec. 31, '30	Mines opened during year	Mines re-opened during year	Mines closed but not abandoned	Mines abandoned during year	Name and Address of District Inspector of Mines
Ardley .....	1	Domestic .....	8	2	2	3	3	B. Nugent, Camrose, Alta. Tele. No. 72.
Big Valley .....	2	Domestic .....	6	...	...	...	...	
Camrose .....	5	Domestic .....	5	...	...	...	...	
Carbon .....	6	Domestic .....	18	2	1	3	2	
Castor .....	8	Domestic .....	35	3	5	6	1	
Edmonton .....	15	Domestic .....	28	1	1	1	2	
Halcourt .....	18	Domestic .....	2	...	...	...	...	
Rochester .....	35	Domestic .....	1	1	...	...	...	
Tofield .....	42	Domestic .....	3	...	...	...	1	
Wetaskiwin .....	45	Domestic .....	2	...	...	...	...	
Whitecourt .....	46	Domestic .....	...	...	1	1	...	J. B. deHert, Lethbridge, Alta. Tele. No. 3325.
No Area .....	...	Domestic .....	1	1	...	...	...	
Brocks .....	3	Domestic .....	2	1	...	...	1	
Champion .....	9	Domestic .....	7	2	1	2	2	
Lethbridge .....	20	Domestic .....	18	1	...	1	...	
Magrath .....	21	Domestic .....	2	1	...	...	...	
Milk River .....	22	Domestic .....	3	...	2	...	...	
Pakowki .....	28	Domestic .....	6	1	...	1	...	
Pekisko .....	30	Sub-Bituminous .....	4	2	1	3	1	
Redcliff .....	34	Domestic .....	2	...	...	...	...	Thos. Horne, Edson, Alta., Tele. 35, Residence
Taber .....	41	Domestic .....	15	2	3	...	2	
Coalspur .....	11	Sub-Bituminous .....	8	...	1	...	...	
Mountain Park .....	24	Bituminous .....	3	...	...	...	...	
Pembina .....	31	Domestic .....	2	1	...	2	...	
Prairie Creek .....	33	Sub-Bituminous .....	2	...	1	...	...	Moses Johnson, Blairmore, Alta. Tele. No. 70.
West Crow's Nest .....	12	Bituminous .....	4	...	...	...	...	W. G. Herley, Blairmore, Alta. Tele. No. 70.
Cascade .....	7	Bituminous .....	2	...	...	...	...	
East Crow's Nest .....	13	Bituminous .....	6	...	...	...	...	
Nordegg .....	25	Bituminous .....	1	...	...	...	...	
Pincher .....	32	Sub-Bituminous .....	2	1	1	...	1	
Saunders .....	36	Sub-Bituminous .....	3	...	...	...	...	A. B. Hunter, Drumheller, Alta. Tele. No. 413.
Drumheller .....	14	Domestic .....	32	2	2	3	2	
Gleichen .....	17	Domestic .....	3	...	1	...	...	
Sheerness .....	38	Domestic .....	15	1	1	2	...	
Totals.....			251	25	28	28	21	

In addition to the above, Mr. James A. Richards, 11009 89th Ave., Edmonton, is acting in the capacity of General District Inspector of Mines, Telephone No. 32662.

## THE MINES BRANCH

## BOARD OF EXAMINERS

The constitution of the Board during the year 1930 was as follows:  
As representing:

- (a) The Mine Inspectorate:  
Andrew A. Millar, Chief Inspector of Mines.
- (b) Managers:  
Norman Fraser, Robert Livingstone.
- (c) Working Miners:  
William Lammie, Evan Morgan.  
Secretary: Jas. A. Richards.

Examinations were held during the year as follows: For Third Class at the following centres: Blairmore on May 6, 7, 8, and 9; Cadomin on May 6, 7, and 8; Drumheller on May 6, 7, 8, and 9; Edmonton on May 6, 7, and 8; Lethbridge on May 6th; Canmore on May 6th; and Bryan on December 22nd.

For First and Second Class on June 6, 7 and 8 at Blairmore, Cadomin, Drumheller, Edmonton, Lethbridge and Nordegg.

For Mine Surveyor on June 8th at Blairmore, Cadomin, Lethbridge, Drumheller, Edmonton and Nordegg.

Twenty candidates presented themselves for examination for First Class Certificates, of whom four were successful. Twenty-two candidates presented themselves for examination for Second Class Certificates, of whom six were successful. Sixty-nine candidates presented themselves for examination for Third Class Certificates, of whom fifty-three were successful. In addition there were six candidates who failed to present themselves for Third Class Examination. Eight candidates presented themselves for examination for Mine Surveyor, of whom three were successful.

A special examination was held on December 22nd for Third Class Certificates, at which five candidates presented themselves, all of whom were successful.

One candidate was granted an interchange First Class Certificate without taking the full examination, he being the holder of a British First Class Certificate.

The following is a list of names of persons to whom Final Certificates of Competency under The Mines Act were granted during the year 1930:

## FIRST CLASS

Name	Address	Cert. No.	Date of Issue
Hibbert, W. J. ....	Coleman .....	79	10- 9-30
Kellock, James .....	Coleman .....	76	8- 8-30
Lindoe, Luke .....	Coleman .....	77	8- 8-30
Pascoe, Thomas .....	Mountain Park .....	78	8- 8-30

## SECOND CLASS

Davies, J. C. H. ....	Blakeburn, B.C. ....	219	10- 9-30
Dixon, John O. ....	Longview .....	220	10- 9-30
Fraser, Alex. ....	Carmanagay .....	221	10- 9-30
Lavis, George .....	Drumheller .....	218	10- 9-30
MacDonald, Leslie M. ....	Bellevue .....	217	8- 8-30

## THIRD CLASS

Allen, Thomas G. ....	Blairmore .....	765	4- 6-30
Boseley, Joseph H. ....	Bellevue .....	780	10- 6-30
Barber, William J. ....	Drumheller .....	781	10- 6-30
Blas, Victor .....	Blairmore .....	787	14- 6-30
Burrell, Archie K. ....	Drumheller .....	793	3- 7-30
Bell, William .....	Canmore .....	798	8- 8-30
Davies, James .....	East Coulee .....	784	10- 6-30
Dutka, Joseph .....	Canmore .....	794	3- 7-30
Fox, A. A. ....	Canmore .....	808	29-10-30
Gallagher, John .....	Rosedale Stn. ....	760	4- 6-30
Goodwin, William .....	Bellevue .....	766	4- 6-30
Green, William .....	Luscar .....	775	10- 6-30
Hutton, Walter C. ....	Coalhurst .....	756	18- 2-30
Hopkins, Arthur J. ....	Foothills .....	761	4- 6-30
Heyworth, E. S. ....	Dinant .....	763	4- 6-30
Hunter, Thomas .....	Edmonton .....	805	22-10-30
Hooks, Albert .....	Drumheller .....	807	29-10-30
Jones, Jenkin .....	Luscar .....	771	4- 6-30
James, Isaiah .....	Rumsey .....	801	18-10-30
Johnson, Moses F. ....	Alix .....	804	18-10-30
Kerr, Robert G. ....	Blairmore .....	764	4- 6-30
Koentges, Joseph .....	Bellevue .....	770	4- 6-30
Kowal, Alex. ....	Canmore .....	790	14- 6-30
Kennedy, Joseph .....	Willow Creek .....	799	10- 9-30
Lund, Fred .....	Blairmore .....	767	4- 6-30
Laing, W. R. ....	Cadomin .....	774	10- 6-30
Letcher, R. C. ....	Hillcrest .....	795	12- 7-30
Marsh, Wm. J. ....	Midlandvale .....	776	10- 6-30
May, John .....	Beverly .....	786	14- 6-30
Mathieson, David .....	Edmonton .....	789	14- 6-30
Muir, Thomas .....	Coalhurst .....	800	18-10-30
McAndrew, John Jr. ....	Blairmore .....	769	4- 6-30
McDonald, William .....	Bellevue .....	777	10- 6-30
McCutcheon, Jas. A. ....	Midlandvale .....	803	18-10-30
Nisbet, George .....	Beverly .....	759	4- 6-30
Peters, Wm. E. ....	Blairmore .....	762	4- 6-30
Park, Angus .....	Edmonton .....	773	4- 6-30
Patterson, S. F. ....	Blairmore .....	778	10- 6-30
Pascoe, Thomas .....	Mountain Park .....	796	14- 7-30
Potter, Harry .....	Drumheller .....	797	8- 8-30
Reed, John C. ....	Edmonton .....	779	10- 6-30
Raisbeck, A. B. ....	East Coulee .....	785	10- 6-30

## THE MINES BRANCH

## THIRD CLASS—(Continued)

Name	Address	Cert. No.	Date of Issue
Stevenson, Robert .....	Drumheller .....	757	25- 2-30
Smillie, Walter .....	Evansburg .....	772	4- 6-30
Sutherland, S. R. ....	Bellevue .....	782	10- 6-30
Sinoski, Mike .....	Edmonton .....	791	14- 6-30
Stewart, R. E. ....	Shaughnessy .....	802	10-10-30
Thomson, John .....	Edmonton .....	758	4- 6-30
Williams, L. A. ....	Edmonton .....	768	4- 6-30
Womersley, E. ....	Blairmore .....	783	10- 6-30
Williams, H. A. ....	Mountain Park .....	792	3- 7-30
White, Michael .....	Drumheller .....	806	29-10-30
Young, Robert .....	Newcastle P.O. ....	788	14- 6-30

## MINE SURVEYOR

Drinnan, R. G., Jr. ....	Edmonton .....	181	8- 8-30
Melnyk, N. ....	Cadomin .....	182	10- 9-30
Morgan, T. E. ....	Hillcrest .....	183	29-10-30

## INTERCHANGE FIRST CLASS

Cumberford, James .....	Drumheller .....	80	19- 1-31
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